

American Fruit Grower

WESTERN EDITION
JULY • 1957

BUYER'S GUIDE



ORCHARD CHEMICALS



NURSERY STOCK



HARVEST EQUIPMENT



PACKAGES - PACKAGING

J. Howard Isaac, on tractor, talks traction
with Calvin White of Buchanan Service, Inc.,
Milford & Dover, Del., Firestone Dealer.



"To keep 60 tractors and trucks rolling, **FIRESTONE'S** **OUR TIRE FOR TRACTION!"**

Eight thousand of the greenest acres in Delaware lie within the borders of the Isaac Farms in Sussex County. This busy agricultural operation, administered by brothers J. Howard and Harry H. Isaac, helps fill the market basket for millions of eastern tables with its varied produce. It takes sixty tractors and farm trucks to help do the job—and, according to Howard Isaac, Firestone Farm Tires do it right!

Beef cattle, poultry and even lumber mill operations on this giant farm call for plenty of year-round work from rolling equipment. Trucks and tractors alike are subject to plenty of road assignments and work on soggy soils. That's why the Isaacs prefer Firestone Champion

Ground Grip® Tires for tractors—and Super All Traction for their farm trucks.

"We prefer Firestone as original equipment," says Howard Isaac, "and we order them 100% for replacements. They're best for traction and service, too!"

The Isaacs' Sussex County neighbors second the motion. You will, too, if you see your Firestone Dealer or Store the next time you have a tire problem.

Firestone

BETTER RUBBER FROM START TO FINISH



Hess Bros. Orchards' D2 pulling a 500-gallon speed sprayer.

"We owe a lot of our success to CAT* D2 Tractors!"

A statement by Frank Hess, Hess Bros. Orchards, Waynesboro, Pa.

"Cat track-type Tractors are the only tractors for production spraying and cultivating orchards. Our D2 is just right to handle our 500 gal. speed sprayer. It maintains the proper speed for concentrated spray. We used our first Caterpillar track-type Tractor for 18 years when we traded for the new D2. Today we have three D2s and can handle 600 acres of producing orchard. We owe a lot of our success to Cat Diesel Tractors and their economical operation."

Add one more name to the ever-growing list of satisfied orchardists with Cat Diesel Tractors —another man who proves that Cat Diesel Tractors are a "must."

Here are a few reasons why:

- *Real pull-push power*—for example, the 38 DBHP Cat D2 Tractor has approximately *twice* the pull or push of wheel tractors of similar "rated" power. You can pull big spray rigs, larger equipment, make fewer passes, push out your own trees, and move dirt.
- *Compact and maneuverable*—the D2 has about the same dimensions as a small wheel tractor, yet turns in even less space.

There are many other reasons why a Cat Diesel Tractor really pays off in your orchard. Talk it over with your Caterpillar Dealer.

CATERPILLAR TRACTOR CO., Peoria, Ill., U.S.A.

FREE WATERSHED BOOKLET

Caterpillar Tractor Co.,
Dept. AMF77, Peoria, Ill.

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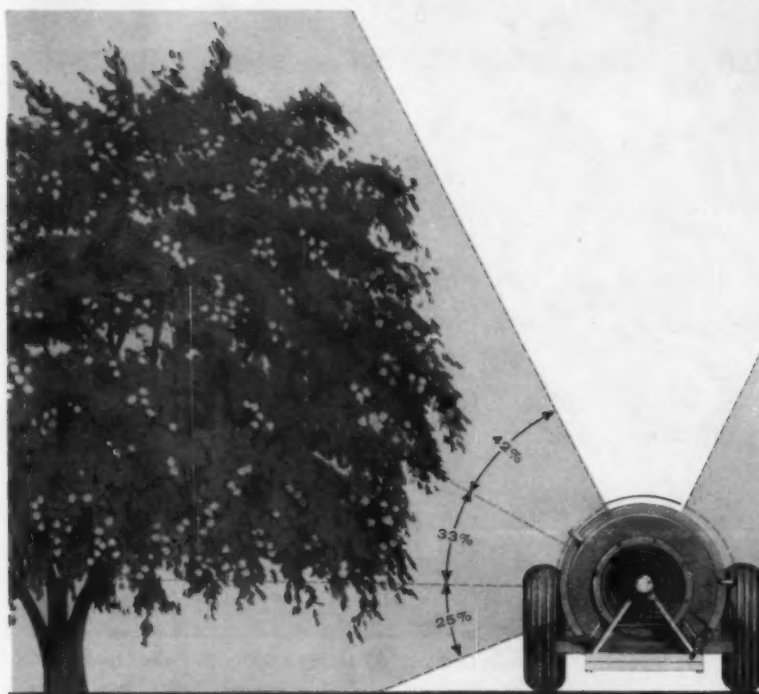
I have _____

acres of orchard.

CATERPILLAR*

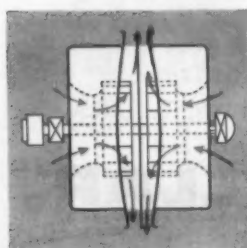
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DELIVERS AIR DIRECT TO THE TREE

This drawing of a Myers fan and case shows how the direction of the air stream is changed BEFORE IT REACHES MAXIMUM VELOCITY. Air is not blown into a corner where it can't get out. Myers delivers more air volume and more air velocity for the most effective spray cover.

Myers[®] POWER SPRAYERS AND IRRIGATION PUMPS

THE F. E. MYERS & BRO. CO. • Ashland, Ohio • Kitchener, Ontario



American Fruit Grower

REG. U. S. PAT. OFF.

The Only National Fruit Publication

Vol. 77 JULY, 1957 No. 7

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AMERICAN FRUIT GROWER

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AMERICAN FRUIT GROWER

"**ORTHOCIDE**"[®] is the only fungicide for us"



(right) "Control of blossom blight, scab, and brown rot was 100% with ORTHO Program. I didn't have the burn associated with sulfur on my peaches or peach foliage where I used ORTHOCIDE in an ORTHO Program," reports Mr. S. P. Bethel, peach grower of Massies Mill, Va. "My color, size, and finish were excellent. The control of blossom blight, scab, and brown rot was 100%."

says Mr. Richard S. Sergeant (on the left) of Richland Farms, Sodus, N. Y., shown with ORTHO Fieldman Gene Dathyn. "We use ORTHOCIDE on all the fruit crops we grow which includes apples, sweet cherries, sour cherries, pears and prunes.

We use ORTHOCIDE in the ORTHO Program because it has always given us high yields of high quality fruit."



Only ORTHOCIDE, a superior formulation of captan, made exclusively by its developer, California Spray-Chemical Corp., provides (1) Exceptionally fine particle sizes. (2) Better sticking, wetting and spreading agents. (3) Superior carrying agents. (4) Compatibility with the full ORTHO line of insect and disease control products.

ORTHOCIDE[®]

T.M.'S REG. U.S. PAT. OFF.: ORTHOCIDE, ORTHO

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On all chemicals, read directions and cautions before use.

Sherman Fork Lift with 2 Men Doubles Output of 7 Men!



Unloads 6,720 Crates Daily at Gerber's Baby Food Plant

It formerly took seven men to unload and stack 3,360 field crates a day. Now this work output is doubled, and only two men do the job. The other five men have gone to other shipping department jobs.

That's the enthusiastic report from The Gerber Products Company at Fremont, Michigan, since a Sherman Fork Lift was put into service there. It cut the cost of this multi-man sized handling job to the bone.

The popularity of Gerber's delectables for the tiny folk was at the base of the problem. Approximately 150,000 crates are in continual use. Con-

ventional equipment can handle the crates in the paved shipping areas, but in the orchards and the storage fields the Shermans are required because of their ability to negotiate the rough terrain.

Gerber officials looked at the Sherman Fork Lift's capacity to lift 4000 pounds to a height of ten feet and to operate with little maintenance. They gave it a 30-day trial at the tough task and it sold itself, literally, when actual dollar comparisons were made. Gerber's now has three Sherman Fork Lifts in use.

The Sherman Fork Lift
Is sold and serviced
by your local
FORD TRACTOR DEALER

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*Manufactured Exclusively for
Sherman Products, Inc.,
by K-D Mfg. Co., Cleburne, Texas
2063

AMERICAN FRUIT GROWER

now approved
for use on fruit

DIAZINON



apples

GEIGY DIAZINON provides outstanding control of **Apple Maggots and Codling Moths** including those Codling Moths resistant to chlorinated insecticides. Effectively controls **Green Apple Aphids, Woolly Apple Aphids, San Jose and Forbes Scale Crawlers**. Diazinon also suppresses **Mites**.

controls a wide variety
of fruit insects

—CAN BE APPLIED UP TO
14 DAYS BEFORE HARVEST
ON APPLES AND PEARS

—UP TO 10 DAYS BEFORE HARVEST
ON CHERRIES

GOOD NEWS FOR GROWERS. Now you can control practically all the major fruit pests on apples, pears and cherries with **GEIGY DIAZINON**—including

certain insects which are difficult to control with other insecticides. Ask your farm or orchard supply dealer today for **GEIGY DIAZINON 25W** (25% wettable powder). May be used alone or in combination with 50% wettable DDT. Follow label directions.



pears

GEIGY DIAZINON effectively controls **Codling Moths and Pear Psylla, Aphids, San Jose and Forbes Scale Crawlers**. Diazinon also suppresses **Mites**.



cherries

GEIGY DIAZINON gives positive control of **Cherry Fruit Flies . . .**

. . . Black Cherry Aphids and San Jose Scale Crawlers.

Residue tolerance for Diazinon—0.75 ppm

ORIGINATORS OF



DDT INSECTICIDES

GEIGY AGRICULTURAL CHEMICALS
Division of Geigy Chemical Corporation
Saw Mill River Road • Ardsley, New York



THIS CAN BE YOUR PICK
when you protect your orchard with



CHECK THESE ADVANTAGES

Better Colored Fruit
Finer Finish
Improved Keeping
Qualities
Non-Spotting
Non-Toxic To User
Compatible With All
Insecticides
Widest Range of Control



NIACIDE

An Exceptional New Fruit Fungicide, Merit Proven!

After several seasons of commercial tests, Niagara's Niacide is now available for every grower's use and benefit.

Niacide is an exceptionally mild fungicide. It leaves no objectionable spots on either fruit or foliage. Unlike some of the newer organic chemicals, it can be applied safely to all varieties of apples, including Red Delicious and Baldwins. And

its use will actually improve keeping qualities of apples for storage.

Niagara Niacide offers the widest range of control over scab and other fungus diseases. In test orchards it has uniformly upgraded harvests by producing fruit of highest color, finest finish.

Now you can profit from these many benefits. See your Niagara field man or write for literature.

Niagara CHEMICAL DIVISION

FOOD MACHINERY AND CHEMICAL CORPORATION
Middleport, N.Y. Richmond, Calif., Jacksonville, Fla., Tampa, Fla., Pompano, Fla., Wyoming, Ill., New Orleans, La., Ayer, Mass., Harlingen, Tex., Yakima, Wash., Pine Bluff, Ark., Canadian Associate: NIAGARA BRAND SPRAY CO., LTD., Burlington, Ontario



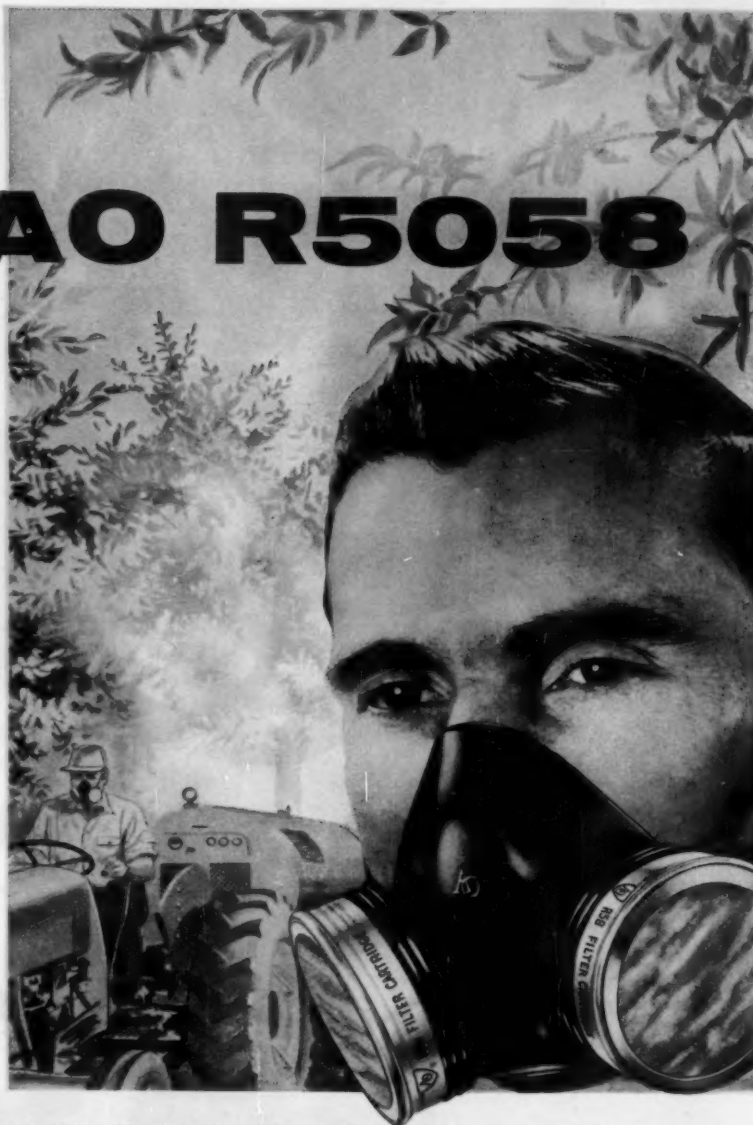
The Only Known Respirator in the World that Protects against Phosdrin!

The U. S. Department of Agriculture has just completed tests on all available respirators against an extremely toxic insecticide called Phosdrin.

THE AO R5058

RESPIRATOR WAS THE ONLY UNIT THAT MET THE REQUIREMENTS OF THE DEPARTMENT OF AGRICULTURE — AND IS THE ONLY UNIT APPROVED BY THEM FOR USE AGAINST THIS HIGHLY TOXIC INSECTICIDE. It is recommended for protection when spraying Phosdrin in dust or liquid form *outdoors*.*

The AO R5058 is also approved by the Department of Agriculture for protection against dusts, sprays, mists and vapors of Demeton (Systox), TEPP, HETP, Parathion, Aldrin, Dieldrin, Endrin, Chlordane, EPN, NICOTINE and other insecticides. The R58 Filter Cartridges are filled with highest grade activated charcoal which filters out the poisonous vapors. Each cartridge has a built-in fibrous filter for stopping particles of dust, mist and sprays. These units are very small and *very efficient*, due to the extremely high quality of materials used in American Optical Company products.



Made by AMERICAN OPTICAL COMPANY World's Leading Manufacturer of Personal Safety Equipment

The AO Trademark represents world leadership in the manufacture of personal safety equipment (respirators, safety glasses, protective clothing and safety accessories). When you specify "AO" you are buying the very best — and when you specify the AO R5058 Respirator you are buying the ultimate in respira-

tory protection for insecticides. Write for literature and name of your nearest distributor. Use handy coupon below.

American Optical
COMPANY
SAFETY PRODUCTS DIVISION

SOUTHBRIDGE, MASSACHUSETTS

Please send literature on R5058 Respirator and the name of nearest distributor.

Name

Address

*In closed or inadequately ventilated areas full-face gas masks should be used.

Handsome is and Handsomed



It's more than a car! It's more than a truck!



Works like a truck! Actually packs more payload than many standard pickups! Power to spare, too—modern Short Stroke 144 hp Six or either of two Short Stroke V-8's: 190 hp in the Ranchero and 212 hp in the Custom Ranchero. Fordomatic or Overdrive is also available!



Rides like a car! Ball-joint front suspension gives true passenger car ride. Cab interior is exactly like that of a '57 Ford Ranch Wagon. Power steering, power brakes, power seat, power windows are available!

me does



ck!

NEW FORD RANCHERO

● At first glance, you'd hardly suspect Ford's new Ranchero leads such a double life on the farm.

Your eyes tell you that never have farm trucks had such trim, smart lines. You slip behind the wheel and into all the luxury of a new '57 Ford Ranch Wagon . . . even to the refined instrument panel, the steering wheel, the seats. As you glide down the highway, the ride you get is the ride of a passenger car.

But when you start loading up, you realize what

a farm work-horse the Ranchero is. The body floor is full size—six feet long, and loading height is only 24 inches. This means a room-to-spare load area for large, bulky loads. And no need to load light. The Ranchero's payload rating is greater than many standard half-ton pickup trucks.

No other pickup equals the Ford Ranchero for double duty . . . as a working farm truck and as a "second car" for the "missus." See your Ford Dealer!

THE BIG FLEETS BUY MORE FORD TRUCKS THAN ANY OTHER MAKE BECAUSE . . .

FORD TRUCKS COST LESS

...LESS TO OWN

...LESS TO RUN

...LAST LONGER, TOO!

"WE MAKE DELIVERIES FASTER, CUT TRANSPORTATION COSTS ...WITH EATON 2-SPEED AXLES!"

... says H. C. Maddox, Production Manager, Sottile's Avon Florida Citrus Corp., Avon Park, Florida



"**DEMAND FOR** citrus fruit runs highest just before Thanksgiving and Christmas," reports Mr. Maddox. "That's when our trucks really have to roll — quickly, dependably, safely. To make our deliveries on time — at lowest possible cost—we use trucks equipped with Eaton 2-Speed Axles."

"Out in the groves—where there's soft sand, muck and gumbo soil—our Eaton-equipped Dodge trucks pull right on through. In fact, even when the wheels are hub-cap high in soft ground, the low-gear range of the Eaton

2-Speed Axle powerfully moves a capacity-loaded trailer smoothly and easily.

"Without punishing the engine, we can hold fast legal speeds on the highway—save an hour on a 200-mile trip. The high-gear range of the Eaton Axle sees to that. Engine wear is reduced. Gasoline consumption is way down. No doubt about it, the Eaton 2-Speed is the best axle to have under a truck." You can step up efficiency, step down costs with an Eaton 2-Speed Axle. Ask your truck dealer today for a demonstration.



FRESH FLORIDA GRAPEFRUIT, from Sottile's Avon groves, surround smiling H. C. Maddox, Production Manager. From groves in Polk, Highland and Manatee Counties, Sottile's Avon trucks, equipped with Eaton 2-Speed Axles, haul more than one and a half million boxes of citrus fruit yearly.



"**OVER 15,000 BOXES DAILY** are shipped during the peak harvest season," claims Mr. Maddox. "Eaton 2-Speed Axles, in soft fields or over the highway, perform smoothly—need little maintenance. We have specified that Eaton 2-Speed Axles be on every truck purchased by us in the last three years."



DODGE TRUCK DEALER J. Harmon Atkins, Wells Motor Company, Avon Park, Florida, has sold over 100 Eaton-equipped trucks in recent years. "If we had to wait for an Eaton 2-Speed to break down," reports Mr. Atkins, "our repair department would go out of business. Eaton 2-Speed Axles are built to last. What's more, Eaton-equipped trucks are worth more at trade-in time."

EATON

2-SPEED TRUCK AXLES



EATON MANUFACTURING COMPANY, CLEVELAND, OHIO



MORE THAN 2 MILLION EATON AXLES IN TRUCKS TODAY
AMERICAN FRUIT GROWER



Pallet boxes assembled for loading at Smeltzer Orchards. Tractor lifts brought them to assembly point. Each box holds 15 bushels of apples.

The *Bulk* Way CUTS HARVEST COSTS

Michigan apple growers find that wirebound pallet boxes cut labor and handling costs

By R. A. ORNBERG

AT harvesttime fruit growers experience some of the problems of heavy industry.

The high labor and handling costs, and the need for efficient utilization of warehouse facilities and farm equipment pose serious problems to the grower, and several Michigan horticulturists decided to do something about it.

Traditionally Michigan growers have picked apples into 1-bushel crates which then became the handling and storing container. These crates were assembled by a loading crew and stacked onto pallets for transportation to storage.

Recognizing the obvious advantages of bulk handling methods, several of the more progressive growers went to pallet boxes using heavy nailed wood containers. The introduction of Generalift wirebound pallet boxes last year brought additional economies and advantages.

Wirebound pallet boxes combine the strength of wood slats and galvanized steel wires to provide sturdy,

lightweight bulk containers that can be easily handled in the orchard. Filled with 15-bushel loads of apples, they are transported by tractor lift and truck to the warehouses where they are securely stacked ceiling-high.

Delivered in short order to meet the harvest crisis caused by a bumper crop, more than 3000 of these pallet boxes got their first test in six western Michigan orchards in 1956.

A. J. Shaeffer and Sons Orchards, at Sparta, Mich., put their apple overflow into 500 of these pallet

boxes. They report excellent results with 7500 bushels of apples in wirebound pallet boxes in their cold storage rooms.

Some 450 wirebound pallet boxes are in use by Cherry Hill Orchards at Bailey, Mich. Owner Rodney Bull, who is also a director of the Apple Storage and Growers Association, says that his pickers are pleased with the pallet box method.

Instead of moving and spotting 15 individual bushel crates, they now move one of the lightweight pallet
(Continued on page 16)

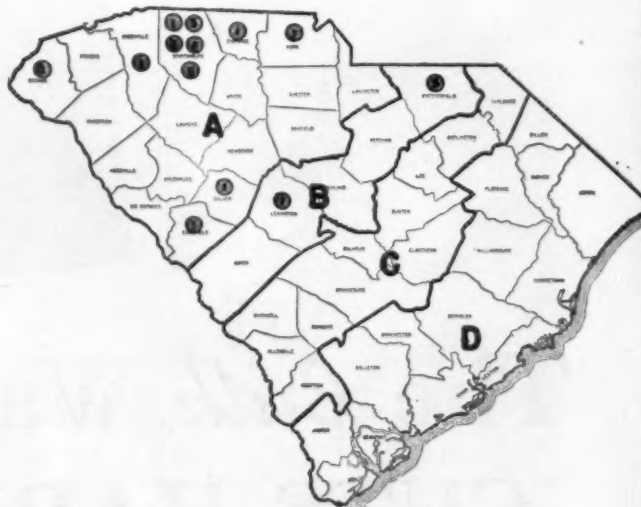


Tractor lift loads filled pallet boxes onto flat-bed truck for trip to storage.

The author, R. A. Ornberg, is associated with General Box Company, Des Plaines, Ill., manufacturers of the bulk container "Generalift."

THE FRUIT AREAS OF AMERICA

SOUTH CAROLINA



This is the eleventh in a series of articles on important Fruit Areas of America. Previous "fruit tours" have taken us to New Jersey; East of the Cascades in Washington; California's Central Valley; the Ozark region of Missouri, Arkansas, and Oklahoma; New England; the Lower Rio Grande Valley of Texas; Western New York; Georgia; Appalachia; and Idaho.—Ed.

By E. EVAN BROWN
Clemson Agricultural College

MENTION peaches during July and August to a wholesale buyer located east of Chicago and north of Washington, D. C., and he thinks of South Carolina.

To these buyers South Carolina means peaches for fresh consumption. South Carolina means quality. South Carolina means varieties, ranging from white to yellow flesh and from yellow to deep red in appearance. These buyers are able to purchase between 20 and 30 peach varieties from South Carolina in car-load lots.

The wide variation in climate, soil, and growing conditions from the Blue Ridge Mountains to the Atlantic Ocean makes the state a highly versa-

tile fruit producer. As a result of this versatility, some quantity of almost every fruit crop grown in the United States is found. Fruits grown include peaches, apples, grapes, pears, figs, plums, cherries, oranges, and grapefruit.

Wild peach trees were reported near Charleston in 1670. Commercial production began in 1856. Two years later 63 varieties were being grown successfully in one area. Clemson Agricultural College, the land-grant college of South Carolina, planted its first experimental peach orchard in 1894 and 1895.

Production of peaches on a large-scale basis began about 1920 with the coming of the boll weevil, which en-

couraged cotton growers to diversify. The industry developed rapidly, and since the mid-1940's the state has been the leading producer in the United States of peaches for the fresh market.

For the ten-year period, 1945-1954, production averaged 4,004,000 bushels yearly. Production has been over 6 million bushels in some years. The only complete crop failure in 34 years was in 1955. Production was limited to 4,250,000 bushels in 1956 due to scattered late frosts in some areas. If you were standing at a railroad crossing waiting for this peach crop to go by at 40 mph, you would have waited 2 hours and 15 minutes. About 90 diesels would have been required to



Packing peaches in a South Carolina packing house.

SOUTH CAROLINA

KEY TO MAP

Geographical Areas

- A—Piedmont
- B—Sandhills
- C—Upper Coastal Plain
- D—Lower Coastal Plain

Fruit Crops

- 1—Peaches
- 2—Apples
- 3—Grapes
- 4—Pears
- 5—Figs



Irrigating a South Carolina peach orchard. Supplemental irrigation is considered a must by peach growers in the state; last year about half the acreage was irrigated.



Soil Conservation Service Photo

One of the many prosperous peach orchards in Spartanburg County. Note contour planting.

pull the 90-mile long string of cars.

Peaches are grown in every one of the state's 46 counties and are produced for out-of-state shipments in about 30 counties. One county, Spartanburg, produces well over half of the total crop. This county is the leading peach county in the United States and has long ranked as one of the 100 leading agricultural counties of the nation. In 1954 nearly 2 million bushels were produced in Spartanburg County. Other counties producing over 100,000 bushels each were Edgefield, Saluda, Cherokee, Greenville, Lexington, and York.

Although many peach varieties are grown, the predominant variety is Elberta. In recent years, however, the queen of varieties has lost power, declining from 60% in 1953 to less than 50% of total production in 1956. Golden Jubilees are fading, Hileys have practically disappeared. Production of earlier varieties such as Dixigem, Dixired, Sullivan Elberta, Jerseyland, Triogem, and Redhaven have bounded upward.

More than 90% of the crop is shipped by truck or rail to market; however, more and more peaches are

being canned and processed. Peaches have been shipped to as many as 36 states in one year. In addition, peaches are often shipped to Canada, Mexico, and Cuba.

During the early part of the season most peaches are packed in $\frac{1}{2}$ or $\frac{3}{4}$ bushel baskets. As the season advances, more peaches are packed in bushel baskets. Other shipping containers used are the $\frac{5}{9}$ bushel, 1- $\frac{1}{9}$ bushel crates, and cell-pack containers for tree-ripened fruit.

Historically production has been concentrated in Spartanburg County. In recent years, however, an increasing proportion of the production has been coming from other counties. This shift has not been due to any lessening of interest on the part of Spartanburg producers, but to the decreasing availability of the more desirable orchard sites in this area of concentrated production.

In addition to peaches, there are smaller acreages of other fruits. More than 121,000 apple trees are to be found on commercial farms, with 95,600 trees of bearing age. Oconee County has been the leading apple producer, followed by Spartanburg

County. In 1954, which was a poor apple year, 25,083 bushels were produced in Oconee, and 16,489 bushels in Spartanburg.

Grape production in the state has a long history. Among the first colonists sent to South Carolina prior to 1700 were some Swiss families, chosen for their skill in raising grapes. Because of more profitable farm enterprises, production was quite limited until recent years. Both muscadines and bunch grapes are produced. Since 1950 production has been over 1,600,000 pounds yearly. Chesterfield County has been the leading producer, while Spartanburg ranks second.

Commercial quantities of pears are also produced. Spartanburg County has been the leading producer of this fruit crop. About 18,400 pear trees are to be found, with about 15,100 of bearing age.

In addition to fruits grown for commercial purposes several other fruits are raised for either home consumption or for sale locally. Some 3400 bearing fig trees produce nearly 50,000 pounds of figs yearly. About 1100 more fig trees will be in production soon. Some 10,600 plum trees are to be found, and 8900 trees are bearing. Cherries are produced from 1800 of the 2800 trees. Small quantities of oranges and grapefruit are also produced in Charleston and Beaufort counties.

New land is being planted to fruits each year. High land is preferred to lessen the possibility of late spring frosts. Irrigation is becoming widespread. Production knowledge is increasing. Farm diversification is still desired. The climate, soil, and growing conditions have not changed. There's no doubt about it—South Carolina is a good state for fruit production.

THE END.

**Growers, Processors, Pre-Packers
Save Labor, Money—Improve Quality**

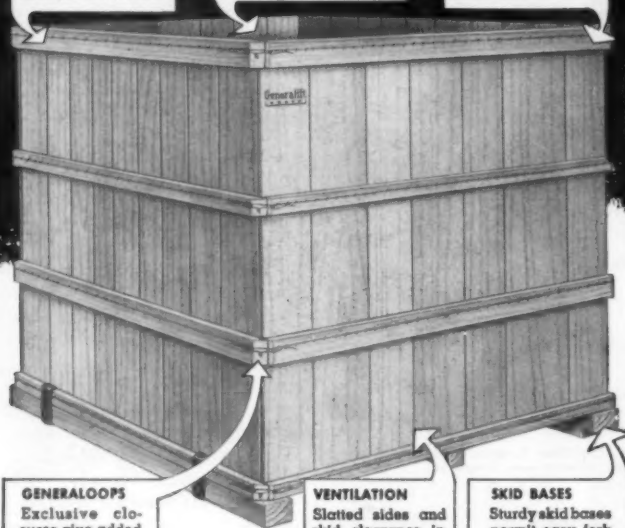
Generalift WIREBOUND PALLET BOXES

**For Bulk Handling, Harvesting, Storing
and Shipping Fruits and Vegetables**

STURDY HARDWOOD
Rugged resawn
northern hardwoods
give greater
strength, longer life.

HANDLES HEAVY LOADS
Readily handles ton
loads of produce and
can be stacked four high.

EXTERIOR CLEATS
Leaves interior clear
and free of bruising
projections—adds to
strength.



GENERALOOPS
Exclusive
closures give added
strength, easily
applied, permits
disassembly.

VENTILATION
Slatted sides and
skid clearance in
stacks gives ideal
ventilation through
bulk loads.

SKID BASES
Sturdy skid bases
permit easy fork
lift or tractor lift
entry. Simplifies
stacking.

Generalift® pallet boxes are designed to save labor, time and money . . . help improve quality in the bulk handling of agricultural products. They're built to withstand the rigors of exposure, rough use, heavy loads and high stacking in storage.

They are widely used to harvest, handle, store and ship bulk loads of literally every fruit and vegetable with impressive records of service and savings. Initial investments are quickly recovered through pallet box economies.

Available in several standard types and sizes to fit every agricultural need.



LONG-LIFE, LOW-MAINTENANCE PICKING BOXES

Rugged wirebound construction and tough resawn hardwoods combine to make the sturdiest picking boxes available. Cut maintenance costs, get more service from your picking boxes. Available in 1 bushel and 1½ bushel sizes. Stack securely, nest in storage.

518

General Box

Send for your copy of the Generalift
Agricultural Catalog Today.

GENERAL BOX COMPANY

1862 Miner Street
Des Plaines, Illinois

BULK BOXES

(Continued from page 13)

boxes into position near the tree. They save a lot of time, since they don't have to go back and round off each bushel crate.

Bull estimates that the labor and time of handling the crop has been cut by two-thirds. Where it took three men and a trailer to haul 100 bushels per hour from the orchard, one man and two trailers now haul 300 bushels per hour. Cold storage space has been improved by about 10% with pallet boxes, whereby 90 bushels of apples can be handled in the space formerly taken up by 78 bushel crates. Ventilation has been



BULK BOX DUMPER

A mechanical box dumper for use with bulk boxes has been developed by J. H. Levin, of USDA, and H. P. Gaston, of Michigan State University. The dumper was tested in Michigan during the 1956-57 packing season and is now being manufactured (for under \$500). Bruise counts made on 120 bushels of McIntosh apples showed that the use of a bulk box dumper caused from 40 to 50% less bruising than the field crate method of handling.

improved through the free flow of forced and refrigerated air through the slatted sides and skid areas.

At the Smeltzer Orchard Company, in Beulah, Mich., Lester, Martin, and Percy Smeltzer and Jim Brian, co-owners, are using 1000 pallet boxes in their growing and processing operation. Faced with the harvesting and storing of apples grown on more than 1500 acres of their own orchards as well as contract growing operations, they have found that wirebound pallet boxes enable them to move the apples from the orchard in one-third the time required when bushel crates were used.

At the J. C. Humphrey Orchard pallet boxes were loaded as part of a contract operation for Smeltzer. The pallet boxes enable Humphrey to transport six boxes on his flat-bed truck and one on the tractor lift in each haul from the orchard. In this way he can haul 105 bushels from the orchard at one movement where he could manage only 65 at a time with bushel crates. **THE END.**

DIAZINON APPROVED FOR FRUIT
Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation, announces that Diazinon insecticides are now approved for use on fruit.

Fast, Gentle, and Easy to Use

New *John* **BEAN** AUTOMATIC BAGGER

Now — with the fastest bagger — one inexperienced person can bag up to 450 bags per hour at the correct weight. Even at this fast speed, there's no bridging or jamming. V-belts on one side of the trough travel faster than those on the other side, gently placing apples in a straight line. Over-filling is prevented as belts reverse for a second when bags are filled. Easily handles 3, 4 or 5-pound bags made of paper, plastic or mesh, without adjustments.

Illustration below shows the new John Bean automatic bagger in use with its companion table. Padded table receptacles prevent unsealed bags from spilling. Space is provided for sealing operation and compartment for labels and fasteners.



OCCUPIES ONLY 3 BY 2 FEET OF FLOOR SPACE

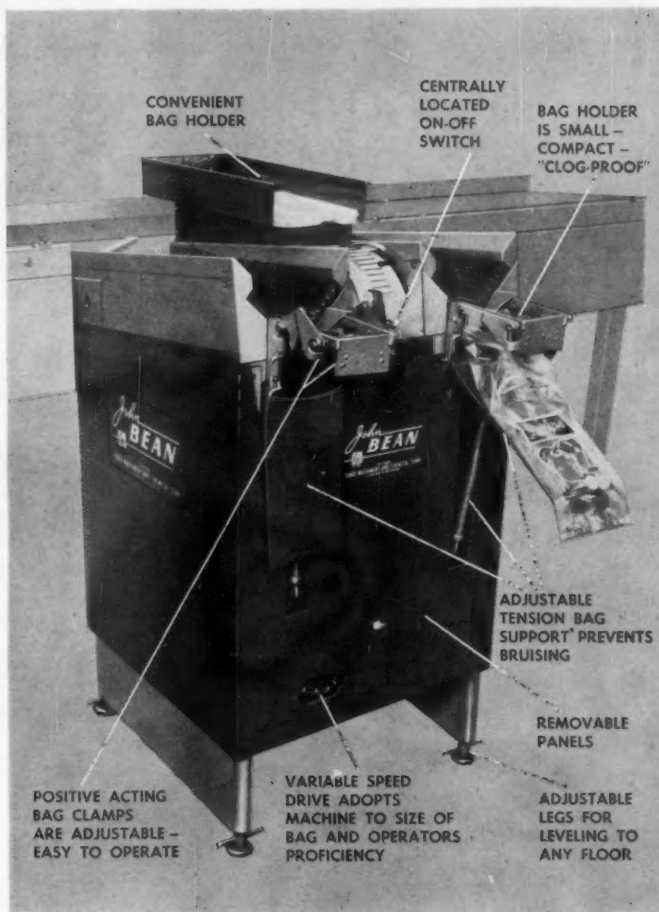
John Bean automatic bagger will save you time and money. Write for free bagger literature today. Also ask for booklet of 117 Fruit Packing Equipment plans and Catalog of Grabill Packing House Equipment.



John BEAN

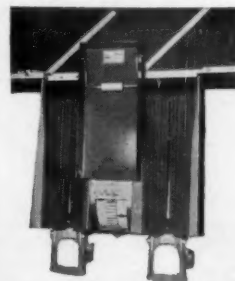
LANSING 4, MICHIGAN
SAN JOSE, CALIFORNIA

Division of Food Machinery and Chemical Corporation



NON-JAMMING RETURN-FLOW TABLE ... EASY-TO-READ WEIGHT DIAL

John Bean's matching return-flow table maintains a constant, gentle flow of apples without jamming or bridging. Flat, adjustable shunts guide the apples into the "singulator" troughs to be bagged. Surplus apples are gently sidetracked and shunted to the troughs on the next trip. An extra-large scale indicator is placed at an ideal height to reduce operator fatigue.



THE NEWER ORGANIC PESTICIDES

With Some Commonly Known Trade Names

PESTICIDE AND BRAND NAMES	MANUFACTURER
ALDRIN	
Aldrin	Shell
Black Leaf Aldrin	Diamond Black Leaf
Chipman Aldrin	Chipman Chemical
Corona Aldrin	Pittsburgh Plate Glass
Niagara Aldrin	Niagara
Orchard Brand Aldrin	General Chemical
Ortho Aldrin	Calif. Spray-Chemical
Penco Aldrin	Pennsalt Chemicals
Stauffer Aldrin	Stauffer

ANTIBIOTICS	
Actidione	
Actispray	Niagara
Actispray	Upjohn
Streptomycin	
Acco Streptomycin	American Cyanamid
Agristrep	Merck
Agristrep	Niagara
Phytomycin	Squibb
Streptomycin-Terramycin	
Agri-mycin 100	Chas. Pfizer
Agri-mycin 100	Chipman Chemical
Agri-mycin 100	General Chemical
Agri-mycin 100 Anti-biotic Dust	Pacific Guano Co. L. H. Butcher Co. Sunland Industries, Inc. United Chemical Co.
Copper-Streptomycin-Terramycin	
Agri-mycin 500	Chas. Pfizer

*ARAMITE	
Aramite	U.S. Rubber
Black Leaf Aramite	Diamond Black Leaf
Chipman Aramite	Chipman Chemical
Corona Aramite	Pittsburgh Plate Glass
Niagara Aramite	Niagara
Orchard Brand Aramite	General Chemical
Ortho-Mite	Calif. Spray-Chemical
Stauf Aramite	Pennsalt Chemicals
Stauffer Aramite	Stauffer

IL-622	
Dyrene	Chemagro

BAYER 17147	
Guthion	Chemagro

BHC	
Benzahex	Chipman Chemical
Benzex	Woolfolk
BHC 10 Spray	Niagara
Black Leaf BHC	Diamond Black Leaf
Corona BHC	Pittsburgh Plate Glass

*Manufacturer's brand name.

PESTICIDE AND BRAND NAMES	MANUFACTURER
Gammicide	Calif. Spray-Chemical
Gamtox	Calif. Spray-Chemical
Hexadow	Dow
Isotox	Calif. Spray-Chemical
Lexone	DuPont
Lintox	Stauffer
Orchard Brand BHC	General Chemical
Penco BHC	Pennsalt Chemicals
Penco Hi Gamma BHC	Pennsalt Chemicals
Stauffer BHC	Stauffer

CAPTAN	
Orthocide	Calif. Spray-Chemical
Stauffer Captan	Stauffer

CHLORANIL	
Spergon	U. S. Rubber

CHLORDANE	
Black Leaf Chlordane	Diamond Black Leaf
Chipman Chlordane	Chipman Chemical
Chlor Kil	Niagara
Corodane	Pittsburgh Plate Glass
Orchard Brand Chlordane	General Chemical
Ortho-Klor	Calif. Spray-Chemical
Pratts Chlordane	B. G. Pratt
Sherwin-Williams Chlordane	Sherwin-Williams
Stauffer Chlordane	Stauffer
Synklor	U. S. Rubber

*CHLOROBENZILATE	
Chlorobenzilate	Geigy

DDD (TDE)	
Black Leaf DDE	Diamond Black Leaf
Corona Rothane	Pittsburgh Plate Glass
Niagara DDD	Niagara
Orchard Brand TDE	General Chemical
Orthene	Calif. Spray-Chemical
Rothane	Rohm & Haas
Rothane	Sherwin-Williams
Stauffer DDD	Stauffer

DDT	
Black Leaf DDT	Diamond Black Leaf
Chipman DDT	Chipman Chemical
Corona 50-50 W	Pittsburgh Plate Glass
DDTol	Sherwin-Williams
D-50 Wettable	Rohm & Haas
Deenate	DuPont
Dow DDT	Dow
Geigy DDT	Geigy
Genitox	General Chemical
Monsanto DDT	Monsanto
Niatox	Niagara
Orchard Brand DDT	General Chemical
Penco DDT	Pennsalt Chemicals
Penco Pentech	Pennsalt Chemicals

PESTICIDE AND BRAND NAMES	MANUFACTURER
Persisto	Calif. Spray-Chemical
Pratts DDT	B. G. Pratt

DEMETON	
Stauffer Systox	Stauffer
Systox	Chemagro
Systox	Dow
Systox	Niagara
Systox	Chipman Chemical
Systox	Pennsalt Chemicals

*DIAZINON	
Diazinon 25 W	Geigy
Diazinon 25 E	Geigy

DICHLONE	
Black Leaf Phygion	Diamond Black Leaf
Corona Phygion-XL	Pittsburgh Plate Glass
Corona Phygion-Sulfur	Pittsburgh Plate Glass
Kolo 100	Niagara
Orchard Brand Phygion-XL	General Chemical
Phygion-XL	U. S. Rubber
Stauffer Phygion	Stauffer

DIELDRIN	
Black Leaf Dieldrin	Diamond Black Leaf
Chipman Dieldrin	Chipman Chemical
Corona Dieldrin	Pittsburgh Plate Glass
Dieldrin	Niagara
Dieldrin	Shell
Orchard Brand Dieldrin	General Chemical
Ortho Dieldrin	Calif. Spray-Chemical
Penco Dieldrin	Pennsalt Chemicals
Pratts Dieldrin	B. G. Pratt
Sherwin-Williams Dieldrin	Sherwin-Williams
Stauffer Dieldrin	Stauffer

DINITROS-DORMANT	
Corodinc	Pittsburgh Plate Glass
Corona Dinitro Powder	Pittsburgh Plate Glass
Dinitro Dry	Niagara
Dinitrol	Sherwin-Williams
DN Drymix No. 1	Dow
DN Drymix No. 2	Dow
DN-289	Dow
Elgetol 30	Standard Agri. Chem.
Elgetol 318	Standard Agri. Chem.
Krenite 26	DuPont
Nitro Vaporol	Calif. Spray-Chemical

DINITROS-SUMMER	
DN-111	Dow

ENDRIN	
Black Leaf Endrin	Diamond Black Leaf
Chipman Endrin	Chipman Chemical
Corona Endrin	Pittsburgh Plate Glass
Endrin	Niagara
Endrin	Shell
Endrin	Velsicol
Orchard Brand Endrin	General Chemical
Penco Endrin	Pennsalt Chemicals
Stauffer Endrin	Stauffer

EPN	
EPN 300	DuPont

FERHAM	
Black Leaf Ferbam	Diamond Black Leaf
Carbamate	Niagara
Chipman Ferbam 76	Chipman Chemical
Coromate	Pittsburgh Plate Glass
Fermate	DuPont
Ferradow	Dow
Karbam Black	Sherwin-Williams
Nu-Leaf	Calif. Spray-Chemical
Orchard Brand Ferbam	General Chemical
Penco Ferbam	Pennsalt Chemicals
Stauffer Ferbam	Stauffer

*GENITE EM-923	
Genite EM-923	General Chemical

GLYODIN	
Crag Glyodin	Union Carbide Chem.

HEPTACHLOR	
Black Leaf Heptachlor	Diamond Black Leaf
Chipman Heptachlor	Chipman Chemical
Heptachlor	Velsicol
Niagara Heptachlor	Niagara
Orchard Brand Heptachlor	General Chemical
Ortho Heptachlor	Calif. Spray-Chemical
Standard Heptachlor	Standard Oil (Ind.)
Stauffer Heptachlor	Stauffer

*KARATHANE	
Karathane	Rohm & Haas
Mildex	Larvacide Products



MARVIN MULTI-PURPOSE LANDPLANE®

LANDPLANE - for easier, quicker harvesting!

Get ready for more efficient mechanical nut harvesting with the Marvin Multi-Purpose LANDPLANE. Only LANDPLANE puts that super-smooth finish on your orchard ground that saves you time and money at harvest time. The roller packs the ground just right. This new model Multi-Purpose is 30" high overall; easier to operate under the trees. Makes 180° turns within 24 ft. tree rows. See your LANDPLANE dealer today; write for FREE literature on land leveling.

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AND
BRAND NAMES**

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Kelthane Rohm & Haas

LINDANE

Black Leaf Lindane..... Diamond Black Leaf
Chipman Lindane..... Chipman Chemical
Dow Lindane..... Dow
Isotox Calif. Spray-Chemical
Niagara Lindane..... Niagara
Orchard Brand Lindane..... General Chemical
Penco Lindane..... Pennsalt Chemicals
Pratts Lindane Spray..... B. G. Pratt
Stauffer Lindane..... Stauffer

MALATHION

Black Leaf Malathion..... Diamond Black Leaf
Chipman Malathion..... Chipman Chemical
Corona Malathion..... Pittsburgh Plate Glass
Malathion American Cyanamid
Malathion 50 Spray..... Niagara
Orchard Brand General Chemical
Malathion Calif. Spray-Chemical
Ortho Malathion..... Pennsalt Chemicals
Penco Malathion..... B. G. Pratt
Pratts Malathion Spray..... Sherwin-Williams
Malathion Sherwin-Williams
Stauffer Malathion..... Stauffer

MANEB

Dithane M-22..... Rohm & Haas
Manzate DuPont

METACIDE

Metacide 50 Chemagro

METHOXYCHLOR

Chipman Methoxychlor..... Chipman Chemical
Corona Methoxychlor..... Pittsburgh Plate Glass
Geigy Methoxychlor..... Geigy
Marlate DuPont
Methoxcide Niagara
Orchard Brand General Chemical
Methoxychlor..... Calif. Spray-Chemical
Orthotox Stauffer
Stauffer Methoxychlor..... Stauffer

NABAM

Dithane D-14..... Rohm & Haas
Niagara Nabam Solution..... Niagara
Ortho Nabam..... Calif. Spray-Chemical
Parzate DuPont
Thiodow Dow

ORGANO-MERCURY

Coromere Pittsburgh Plate Glass
Merbam 10..... Chipman Chemical
Orchard Brand General Chemical
Mercury Spray..... Chemley Products
Phix Gallowhur
Puritized Agricultural Gallowhur
Spray Niagara
Puritized Apple Spray..... Niagara
Puritized Apple Spray..... Niagara
Stauffer Mer-Cad..... Stauffer
Stauffer Mer-Sol..... Stauffer
Tag Calif. Spray-Chemical

OVEK

Corotran Pittsburgh Plate Glass
Orchard Brand Ovek..... General Chemical
Orthotran Calif. Spray-Chemical
Ovotran Dow
Stauffer Ovek..... Stauffer

PARATHION

Black Leaf Parathion..... Diamond Black Leaf
Chipman Parathion..... Chipman Chemical
Corothion Pittsburgh Plate Glass
Dow Parathion..... Dow
Niran Monsanto
Orchard Brand General Chemical
Parathion Calif. Spray-Chemical
Orthophos Woolfolk
Panthion Stauffer
Paradust Pennsalt Chemicals
Penco Parathion..... Niagara
Phos Kil..... Sherwin-Williams
Parathion Stauffer
Stauffer Parathion..... American Cyanamid
Thiophos (technical)..... Calif. Spray-Chemical
Vapophos Stauffer

***PERTHANE**

Pertthane Rohm & Haas

QUARTERNARY AMMONIUM COMPOUNDS

Purasan AD 50 Gallowhur
Stanofide Standard Oil (Ind.)

QUINONES

Black Leaf Phygon..... Diamond Black Leaf
Kolo 100..... Niagara
Phygon-XL U. S. Rubber
Spergon U. S. Rubber
Stauffer Phygon..... Stauffer

TEPP

Black Leaf TEPP 40..... Diamond Black Leaf
Corona TEPP..... Pittsburgh Plate Glass
Mulsifos Woolfolk
Niagara TEPP..... Niagara
Orchard Brand TEPP..... General Chemical
Pyfos Woolfolk
Stauffer TEPP..... Stauffer
Vapotone Calif. Spray-Chemical

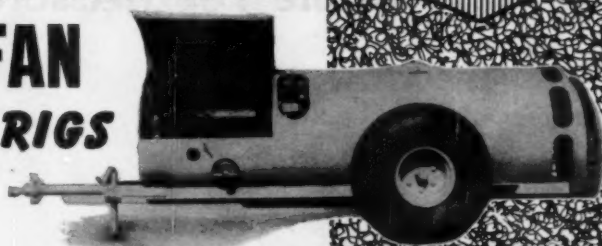
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Modesto, Calif.

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Black Leaf Toxaphene..... Diamond Black Leaf
Chipman Toxaphene..... Chipman Chemical
Geniphene General Chemical
Gy-Phene Geigy
Orchard Brand General Chemical
Toxaphene Pennsalt Chemicals
Penco Toxaphene..... Stauffer
Stauffer Toxaphene..... Stauffer
Toxakil Niagara

***TRITHION**
Stauffer Trithion..... Stauffer

UREA
NuGreen DuPont

***VANCIDE**
Vancide A Niagara

ZINEB
Dithane Z-78..... Rohm & Haas
Ortho Zineb..... Calif. Spray-Chemical
Parzate DuPont
Stauffer Zineb..... Stauffer
Thiodow Dow

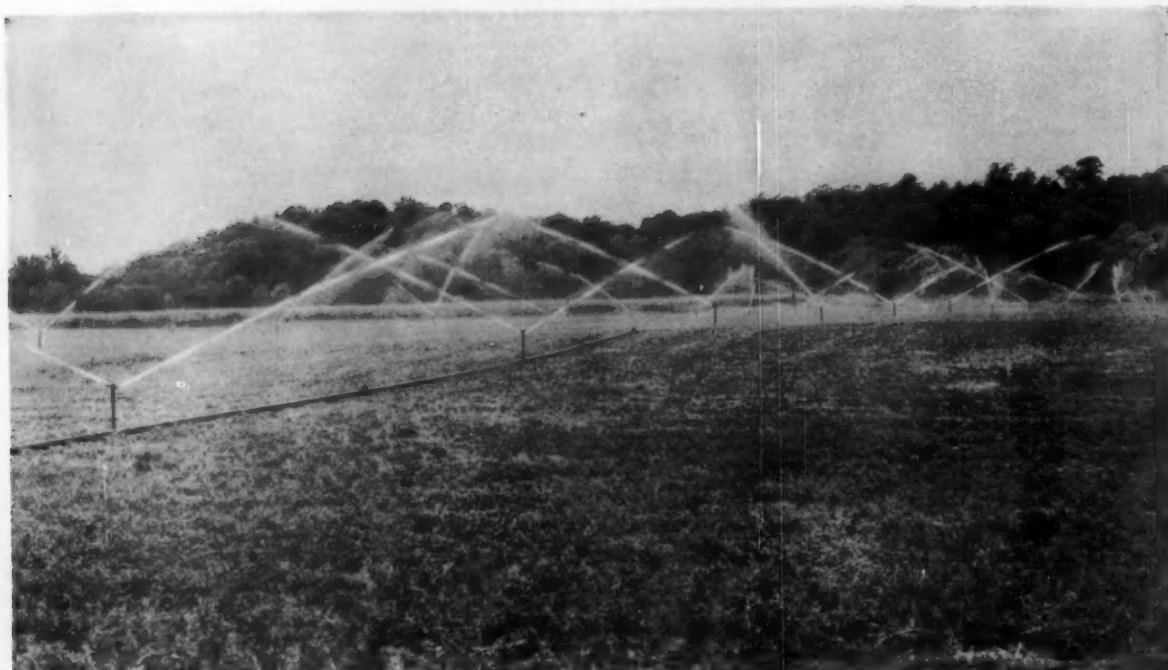
ZIRAM
Corozate Pittsburgh Plate Glass
Karham White..... Sherwin-Williams
Opalate Calif. Spray-Chemical
Orchard Brand Ziram..... General Chemical
Stauffer Ziram..... Stauffer
Z-C Spray..... Niagara
Zerlate DuPont

**SUMMER TOURS
IN WASHINGTON**

Tours to the Okanogan, Wenatchee, and Yakima tree-fruit areas are scheduled for July 30, 31, and August 1, respectively. The tours are being arranged by a committee consisting of county agents, local horticultural leaders, and Dr. John C. Snyder, secretary, Washington State Horticultural Association, Pullman.

15 Tons More Silage Per Acre!

Ample Feed Assured For 225 Cows



IN EARLY 1955, Paul Harber and Dan Holliday decided to try sprinkler irrigation on their dairy farm in Jenks, Oklahoma. They were growing honey-dip cane, alfalfa, corn and hygera and getting yields of 10 tons per acre. After the installation of two irrigation systems was made by Diesel Power Co.

of Tulsa, Oklahoma, their yields were increased to 25 tons per acre, assuring ample feed for their herd. In 1956, three more Marlow pump-equipped systems were installed.

Water for the systems is pumped from sand points by five Marlow 6-inch self-primers which were used because air is sometimes drawn on

sand point pumping. These pumps prime *automatically* and can operate unattended. These units pump water to irrigate the entire 400-acre farm.

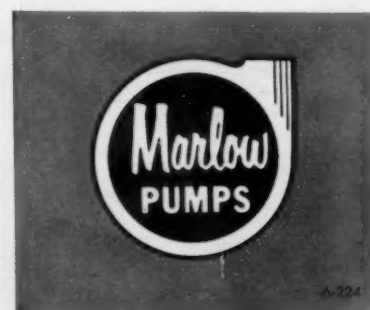
For complete information on Marlow Sprinkler irrigation pumps write for literature and the name of your Marlow Dealer.



This skid-mounted Marlow self-primer, pumping from sand points, is permanently located in a pit.



Portable Marlow self-primers are moved from one pumping location to another as needed.



**DIVISION OF
BELL & GOSSETT CO.**

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Morton Grove, Illinois

Longview, Texas

AMERICAN FRUIT GROWER

BUYER'S GUIDE....

FOR THE FRUIT FARM

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Brogdon Spray Supplies, Springdale

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In CANADA, Write . . .

Lee Equipment Company, P. O. Box 760, Stoney Creek, Ontario

Friend & Trescott fruit & vegetable washers, waxers, graders and baggers. Friend, Buffalo-Turbine and Kromer sprayers.

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JULY, 1957

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Ditolla Produce Company, Denargo Market, Denver 5

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In CONNECTICUT, Write . . .

The Hubbard-Hall Chemical Company, 28 Benedict Street, Waterbury

Manufacturers of Fertilizers, Crop Dusts, Agricultural Insecticides and Fungicides, Distributors for leading agricultural chemicals, weed killers, etc.

Orchard Equipment & Supply Co., Hill Street, Bristol

Palmer Cider Presses, Apple Graters, Filter Cloths and Racks

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Michigan Orchard Supply Company, South Haven

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In OHIO, Write . . .
Holland Supply Company, South Vienna
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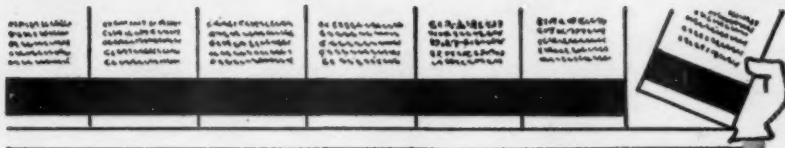
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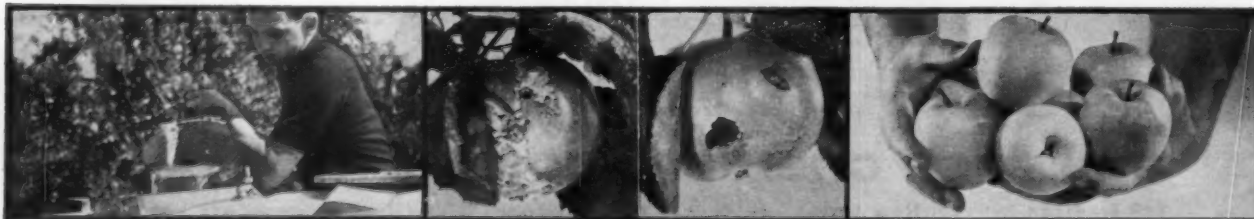
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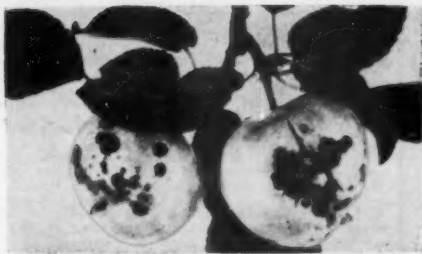
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Chipman Chemical Co., Inc., Bound Brook, N. J.
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Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Plant Food Div., Union Stock Yards, Chicago 9, Ill.

METHOXYCHLOR

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Geigy Agricultural Chemicals, Div. of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
*Manufacturer's brand name.

NICOTINE

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Philipp Bros. Chemicals, Inc., 37 Well St., N. Y. 5, N. Y.
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Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Shell Chemical Corp., 460 Park Ave., New York, N. Y.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Standard Agricultural Chemicals, Inc., Hoboken, N. J.
Stauffer Chemical Co., 2009 Orient Rd., Tampa, Fla.
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

OVEX

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chemical Insecticide Corp., 129 Montague St., Brooklyn 1, N. Y.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Pittsburgh Plate Glass Co., 2200 Grant Bldg., Pittsburgh 19, Pa.
Stauffer Chemical Co., 380 Madison Avenue, New York 17, N. Y.; 636 California St., San Francisco 8, Calif.

PARATHION

American Cyanamid Co., Phosphates & Nitrogen Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chemagro Corp., 437 Fifth Ave., New York, N. Y.
Chemical Insecticide Corp., 129 Montague St., Brooklyn 1, N. Y.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
Eaton Chemicals Div., American Potash & Chemical Corp., 3100 E. 26th St., Los Angeles 23, Calif.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 4, Mo.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Plant Food Div., Union Stock Yards, Chicago 9, Ill.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

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Chemical Insecticide Corp., 129 Montague St., Brooklyn 1, N. Y.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
S. B. Penick & Co., 50 Church St., New York 8, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Plant Food Div., Union Stock Yards, Chicago 9, Ill.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

RYANIA

Chemical Insecticide Corp., 129 Montague St., Brooklyn 1, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
S. B. Penick & Co., 50 Church St., New York 8, N. Y.

SPREADERS, STICKERS

Colloidal Products Corp., 2598 Taylor St., San Francisco 11, Calif.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 636 California St., San Francisco 8, Calif.

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California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Eston Chemicals Div., American Potash & Chemical Corp., 3100 E. 26th St., Los Angeles 23, Calif.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 4, Mo.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Planetary Chemical Co., Creve Coeur, Mo.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

TOXAPHENE

California Spray-Chemical Corp., Richmond, Calif., Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chemical Insecticide Corp., 129 Montague St., Brooklyn 1, N. Y.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Eston Chemicals Div., American Potash & Chemical Corp., 3100 E. 26th St., Los Angeles 23, Calif.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Hercules Powder Co., Inc., 900 Market St., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Plant Food Div., Union Stock Yard, Chicago 9, Ill.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.
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Merck & Co., Rahway, N. J.
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Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.

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Hercules Powder Co., Inc., 900 Market St., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Phelps-Dodge Refining Corp., 300 Park Ave., N. Y., N. Y.
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y. and 636 California St., San Francisco, Calif.
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General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.

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Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, O.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

GLYODIN

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Union Carbide Chemicals Co., CRAG Agricultural Chemicals, 180 S. Broadway, White Plains, N. Y.

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Larvacide Products, Inc., Ringwood, Ill.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Rohm & Haas Co., Washington Sq., Philadelphia 5, Pa.

MANEB, NABAM

Central Chemical Corp., Hagerstown, Md.
Chemical Insecticide Corp., 129 Montague St., Brooklyn 1, N. Y.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
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Gallowhur Chemical Corp., Ossining, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Larvacide Products, Inc., Ringwood, Ill.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.

SULFURS

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Koppers Co., Inc., Koppers Bldg., Pittsburgh 19, Pa.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.
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Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
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General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
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United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.
Warner Co., Bellefonte Div., Bellefonte, Pa.
Woodville Lime Products Co., Toledo, Ohio

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American Cyanamid Co., Phosphates & Nitrogen Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

ANHYDROUS AMMONIA

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American Cyanamid Co., Phosphates & Nitrogen Div., 30 Rockefeller Plaza, New York 20, N. Y.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
Grand River Chemical Div., Deere & Co., 2010 South Utica, Tulsa, Okla.
Olin-Mathieson Chemical Corp., Mathieson Bldg., Baltimore, Md.
Shell Chemical Corp., 460 Park Ave., N. Y., N. Y.

BORAX

American Potash & Chemical Corp., 3030 W. 6th, Los Angeles 54, Calif.
Central Chemical Corp., Hagerstown, Md.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Pacific Coast Borax Co., 100 Park Ave., N. Y. 17, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.

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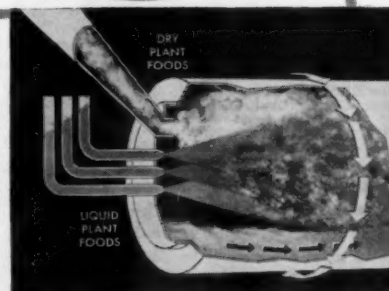
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40 Rector St., N. Y. 6, N. Y.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland
6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.

MANGANESE SULFATE

E. I. du Pont de Nemours & Co., Inc., Grasselli
Chem. Dept., Wilmington, Del.
Eastman Chemical Products, Inc., 260 Madison Ave.,
New York 16, N. Y.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland
6, Ohio
Merck & Co., Inc., Rahway, N. J.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.

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Broadway, N. Y. 5, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17,
N. Y.

NITRATE OF SODA

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Rector St., N. Y. 6, N. Y.
Chilean Nitrate Educational Bureau, Inc., 120
Broadway, N. Y. 5, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
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American Cyanamid Co., Phosphates & Nitrogen
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E. I. du Pont de Nemours & Co., Wilmington 98,
Del.
Kapco Div., Summers Fertilizer Co., Inc., McKees-
port, Pa.
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United States Potash Co., 30 Rockefeller Plaza,
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Miller Chemical & Fertilizer Corp., 2226 N. Howard
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Monsanto Chemical Co., 1700 S. 2nd St., St. Louis
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Benson-Maclean, Bridgeton, Ind.
Central Chemical Corp., Hagerstown, Md.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane
4, Wash.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
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Miller Chem. & Fertilizer Corp., 2226 N. Howard
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Niagara Chemical Div., Food Machinery & Chem-
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Stauffer Chemical Co., 380 Madison Ave., N. Y. 17,
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Davison Chemical Co., Div. of W. R. Grace & Co.,
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Diamond Black Leaf Co., 300 Union Commerce
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Farmers Fertilizer Co., Columbus, Ohio
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International Minerals & Chem. Corp., 20 N. Wacker
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Miller Chemical & Fertilizer Corp., 2226 N. Howard
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Miller Products Co., Ft. of S. W. Caruthers, Port-
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Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.
Stauffer Chemical Co., 636 California St., San Fran-
cisco 8, Calif.
Summers Fertilizer Co., Inc., Stock Exchange Bldg.,
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Swift & Co., Plant Food Div., Union Stock Yard,
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Tennessee Corp., 619 Grant Bldg., Atlanta, Ga.

UREA

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Grace Chemical Co., 501 Edway Bldg., Memphis 1,
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General Chemical Div., Allied Chem. & Dye Corp.,
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K.R.O. Co., Springfield, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard
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Monsanto Chemical Co., 1700 S. 2nd St., St. Louis
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Columbia-Southern Chem. Co., Sub. Pittsburgh Plate Glass Co., One Gateway Center, Pittsburgh 22, Pa.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Co., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
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Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
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Pennsalt of Wash. Div., 2901 Taylor Way, Tacoma 2, Wash.
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D-D

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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 3, Mo.
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General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
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Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
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Chas. Pfizer & Co., Inc., 630 Flushing Ave., Brooklyn 6, N. Y.

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MALEIC HYDRAZIDE

General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

NXY (For Berries)

Science Products Co., 1230 E. 63rd St., Chicago 37, Ill.

STOP DROP SPRAYS AND DUSTS

NAPHTHALENEACETIC ACID See FRUIT THINNING SPRAYS

2,4,5-TA

American Chemical Paint Co., Ambler, Pa.

2,4,5-TP

Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Westville Laboratories, Stepney, Conn.

TOMATO HORMONE SPRAY

Benson-Maclean, Bridgeton, Ind.
Science Products Co., 1230 E. 63rd St., Chicago 37, Ill.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.

TRANSPLANT HORMONES

American Chemical Paint Co., Ambler, Pa.
Benson-Maclean, Bridgeton, Ind.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.

2,4-D

See WEED KILLERS

2,4,5-T

See WEED KILLERS

Please consult Alphabetical Index
on pages 21 and 22

PREFERRED

for foliar application

because of its

low biuret

(Less than 0.2%)

Completely water soluble, too!



New Agricultural Grade **Grace Crystal Urea** Fertilizer Compound

- ✓ Makes Possible Maximum Yields and Top Quality.
- ✓ Saves Time, Labor, Equipment.
- ✓ Safe! Especially Formulated for Foliar Application.

Because the nitrogen in new Grace Agricultural Grade Crystal Urea is *immediately* available to plants, the use of Grace Agricultural Grade Crystal Urea is the easy way to get maximum yields and top quality.

You can add Grace Agricultural Grade Crystal Urea to your regular insecticide or fungicide formulations and spray it at the same time you apply these other materials. By doing two jobs at once, you free men and equipment for other work. You save time, labor and equipment.

The low biuret content of Grace Agricultural Grade Crystal

Urea gives you concentrated nitrogen (46%) that's *completely safe* for foliar application.

It takes only a few days for you to see the response after spraying. The nitrogen goes to work almost at once. You'll see the improvement in foliage, color or growth, even when soil conditions are poor. For example, when there is excessive dryness, wetness, cold or leaching from heavy rains, response from foliar feeding with Grace Agricultural Grade Crystal Urea is good—and fast.

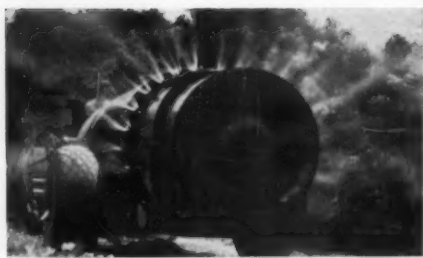
The crystals dissolve readily and completely, won't clog spray hoses, valves or nozzles. Solutions of Grace Agricultural Grade Crystal Urea are non-corrosive—won't harm rubber, metal or wood. And this superior urea is compatible with commonly used spray materials. Use Grace Agricultural Grade Crystal Urea with confidence. You'll profit.

FOR SOIL APPLICATION use free-flowing Grace Urea Prills. Guaranteed 45% Nitrogen. Ideal for Top-Dressing or Side-Dressing of fruits and vegetables, as well as field crops.



Grace Chemical Company A Division of W. R. Grace & Co.

MEMPHIS, TENNESSEE



SPRAYING and DUSTING Equipment

SPRAYERS

CONCENTRATE

AIR-BLAST

Air-O-Fan Products Co., Gilroy, Calif.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
N. Y.
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Friend Mfg. Co., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
Calif.; Portland 9, Ore.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Trump Sales, Ltd., Box 160, Oliver, B. C. Canada

LIGHTWEIGHT PORTABLE MIST SPRAYERS

Homelite Corp., Riverdale Ave., Port Chester, N. Y.
National Agri. Supply Co., Fort Atkinson, Wis.

CONVERSION BLOWER UNITS

Air-O-Fan Products Corp., Gilroy, Calif.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Friend Mfg. Co., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.

HYDRAULIC POWER SPRAYERS

Aerosprayer Co., Neodesha, Kansas
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Buffalo Turbine Agri. Equipment Co., Inc., Go-
wanda, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Champion Sprayer Co., 6519 Heintz Ave., Detroit
11, Mich.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Friend Mfg. Co., Gasport, N. Y.
Hale Fire Pump Co., Conshohocken, Pa.
Hanson Chemical Equipment Co., Beloit, Wis.
Hardie Mfg. Co., Hudson, Mich.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Lofstrand Co., Rockville, Md.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore, Chicago, Ill.

KNAPSACK AND HAND SPRAYERS

Armstrong Products Corp., Huntington 12, W. Va.
John Bean Div., Food Machinery & Chem. Corp.,
Lansing, Mich.; San Jose, Calif.
E. C. Brown Co., Canandaigua, N. Y.
Champion Sprayer Co., 6519 Heintz Ave., Detroit
11, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Lofstrand Co., Rockville, Md.
The F. E. Myers & Bro. Co., Ashland, Ohio
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,
Ill.

SPRAY DUSTERS

Air-O-Fan Products Co., Gilroy, Calif.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
N. Y.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Messinger Mfg. Co., Totamy, Pa.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.

WEED SPRAYERS

John Bacon Corp., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Broyhill Co., Dakota City, Nebr.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
N. Y.
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Engine Parts Mfg. Co., 1360 W. 9th, Cleveland 13,
Ohio
Evans Orchard Supply Co., 301 Delaware St., Kan-
sas City, Mo.
Friend Mfg. Co., Gasport, N. Y.
Hanson Chemical Equipment Co., Beloit, Wis.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
Calif.; Portland 9, Ore.
Lobee Pump & Machinery Co., Gasport, N. Y.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,
Ill.

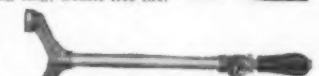
LOW PRESSURE BOOMS & NOZZLES

John Bean Div., Food Machinery & Chem. Corp.,
Lansing, Mich.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Evans Orchard Supply Co., 301 Delaware St., Kan-
sas City, Mo.
Hanson Chemical Equipment Co., Beloit, Wis.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Ken Standard Corp., 1401 N. Fares Ave., Evansville,
Ind.
Lobee Pump & Machinery Co., Gasport, N. Y.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Spraying Systems Co., Bellwood, Ill.

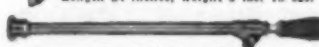
KEN SPRAY GUNS

ALL KEN GUNS deliver a strong, driving stream in wide open position and blend into very soft, fine, wide cone pattern provide a wide range to suit all conditions.

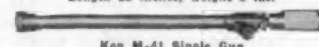
ALL GUNS Shut-Off at the head on metal to metal contact providing long, trouble free life.



Ken M-2 Double Gun
Length 24 inches, weight 3 lbs. 10 ozs.



Ken M-21 Single Gun
Length 23 inches, weight 3 lbs.



Ken M-41 Single Gun
Length 17 inches, weight 1 lb. 4 ozs.



M-71 SINGLE

M-72 DOUBLE



M-73 SINGLE
LOCKING TYPE

M-74 DOUBLE
LOCKING TYPE

The NEWLY DEVELOPED & DESIGNED Machine Mounted KEN GUNS are shown. They are furnished with Non-Locking and Locking Swivels and Handles. For additional information write to Ken.

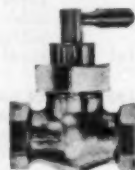
Ken maintains a complete and economical repair department to repair your gun in "guaranteed" new condition.

KEN STANDARD CORP.
EVANSVILLE, INDIANA



Follow the advice of EXPERIENCED horticultural experts

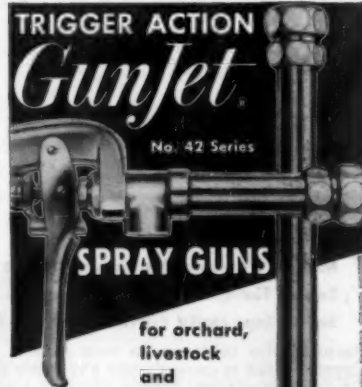
Spray easily — Spray thoroughly. Spray and drive your tractor — Save money with HAMILTON SWIVEL GUNS



HAMILTON QUICK ACTION SHUTOFF VALVE

One quarter turn of handle gives full flow. INEXPENSIVE. Available in $\frac{1}{2}$, $\frac{3}{4}$ and $1\frac{1}{2}$ ".

W. L. HAMILTON & CO.
BANGOR, MICH.



for orchard, livestock and spot spraying

Fully adjustable stop for selection of spray. Long "four finger" trigger and continuous spraying trigger lock for comfort and easier handling. Hardened stainless steel tips. Top quality, dependable gun for pressures up to 800 lbs.

SPRAYING SYSTEMS CO.
3278 Randolph Street
Bellwood, Illinois

for complete information

write for free Bulletin 80

AMERICAN FRUIT GROWER

DUSTERS

HAND DUSTERS

John Bean Div., Food Machinery & Chem. Corp., Lansing, Mich.; & San Jose, Calif.
E. C. Brown Co., Canandaigua, N. Y.
Champion Sprayer Co., 6519 Heintz Ave., Detroit 11, Mich.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
A. M. Leonard & Son Inc., Piqua, Ohio
Messinger Mfg. Co., Tatamy, Pa.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago, Ill.
Tyson Orchard Service, Flora Dale, Pa.

POWER DUSTERS

Air-O-Fan Products Corp., Gilroy, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda, N. Y.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Friend Mfg. Co., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
Messinger Mfg. Co., Tatamy, Pa.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago, Ill.
Tyson Orchard Service, Flora Dale, Pa.

MIXERS, DUST

Friend Mfg. Co., Gasport, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.

SPRAYING ACCESSORIES

BOOMS, MASTS, SWIVELS

Air-O-Fan Products Corp., Gilroy, Calif.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Cardox Corp., 307 N. Michigan Ave., Chicago 1, Ill.; San Jose, Calif.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Friend Mfg. Co., Gasport, N. Y.
W. L. Hamilton & Co., Bangor, Mich.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago, Ill.
The F. E. Myers & Bro., Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.

HAND MAGNIFIERS

Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Karl Heitz, Inc., 490 Lexington Ave., N. Y. 17, N. Y.
H. T. Van Kleeck, 1314 Augusta Ave., Portsmouth, Va.

New Boyce Double Spray Gun

The Fan Shaped Spray Covers Better and Twice as Fast as a Single Nozzle Device



Complete Line of Orchard Spray Accessories
SPRAYER SUPPLY MFG. CO.
Grand Rapids, Mich.

NOZZLES, GUNS & BROOMS

John Bacon Co., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
E. C. Brown Co., Canandaigua, N. Y.
Cardox Corp., 307 N. Michigan Ave., Chicago 1, Ill.; San Jose, Calif.
Champion Sprayer Co., 6519 Heintz Ave., Detroit 11, Mich.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Flo Rul Corp., 347 Lincoln Ave., San Jose, Calif.
Friend Mfg. Co., Gasport, N. Y.
W. L. Hamilton & Co., Bangor, Mich.
Hanson Chemical & Equipment Co., Beloit, Wis.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
Ken Standard Corp., Evansville, Ind.
The F. E. Myers & Bro. Co., Ashland, Ohio
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Oliver Corp., A. B. Farquhar Div., York, Pa.
Sprayer Supply Mfg. Co., 225 Front Ave., N.W., Grand Rapids, Mich.
Spraying Systems, Bellwood, Ill.
Tyson Orchard Service, Flora Dale, Pa.

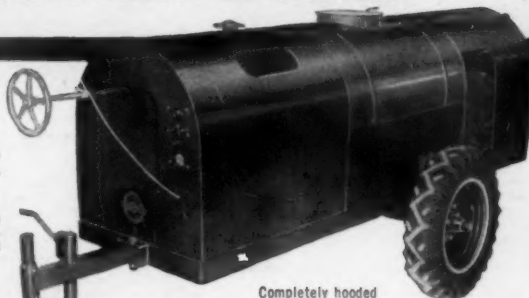
JULY, 1957

\$\$\$ SUCCESSFUL \$\$\$ Fruit Growers - Everywhere, depend on BUFFALO TURBINE CONCENTRATE SPRAYERS

Buffalo Turbine Sprayer
Model H

The Modern Concentrate
Sprayer for all Orchards,
Groves and Row Crops.

From a gentle breeze to a
hurricane of 180 M.P.H.
The secret of penetration
and controlled coverage.



Completely hooded

LET THEM TELL YOU WHY*

93% SAVING IN MAN/DAYS

"...operate 90 acres of apple and peach orchards. It used to take one 400-gallon and one 300-gallon high pressure sprayer with two men on each rig about one week's time to put on a complete spray. Now I do the same job in two days time with a Buffalo Turbine Concentrate Sprayer and one man."

BUFFALO TURBINE IS THE BEST

"...it does the best job of spraying of any machine I have ever had, including hydraulic and speed sprayers. The fruit tells the difference."

SPRAYED WHEN OTHERS COULDN'T

"Not only have we been able to save hundreds of man hours, but we have been able to get into the orchard with your light equipment at times when other conventional equipment could not have been used."

50 GALS. GOES AS FAR AS 400

"...In the use of all materials we simply used the same quantity in the 50-gallon tank of the Buffalo Turbine Sprayer as we would have used in a 400-gallon tank for high pressure spraying and used this 50 gallons of material on the same number of trees."

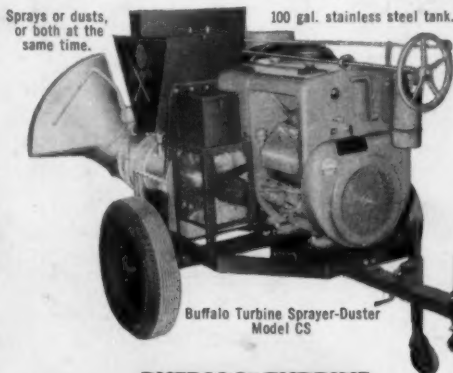
FIVE TIMES FASTER

"...In one hour we covered the same amount of orchard that ordinarily would take us a half day with conventional spray rig."

FRUIT BROUGHT TOP PRICES

"...Our fruit was very clean — all apples went direct from the trees to storage and peaches brought top market prices. Without the turbine we could not have operated this year. We would never be without it."

*names on request



Buffalo Turbine Sprayer-Duster
Model CS

100 gal. stainless steel tank.

Sprays or dusts,
or both at the
same time.

TURBO-SPRAYING OR TURBO-DUSTING

is the Buffalo Turbine, time saving, material saving method that gives greatest penetration and coverage. The Buffalo Turbine Sprayer-Duster is the only machine on the market dispensing liquid or dust separately or both at the same time. This powerful "Turbulent Air" blast, gives a greater, controlled coverage than ever before attained. Send for complete information and prices today.

BUFFALO TURBINE
AGRICULTURAL EQUIPMENT CO., INC.
67 Industrial Street
Gowanda, N. Y.

**BUFFALO
TURBINE**

SPRAYING ACCESSORIES

PUMP DIAPHRAGM

Ace Pump Corp., 140 Hernando St., Memphis, Tenn.

PRESSURE GAUGES

John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
Dobbs Div., Chamberlain Corp., Waterloo, Iowa
Friend Mfg. Co., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Sprayer Supply Mfg. Co., 225 Front Ave., N.W., Grand Rapids, Mich.

SPEEDOMETER

John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., and San Jose, Calif.
Frank Mfg. Co., Mentone, Ind.

SPRAY HOSE

Agricultural Rubber Prod. Corp., 103 Warren St., N. Y. 7, N. Y.
John Bacon Co., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
Broadway Rubber Mfg. Co., 529 E. Broadway, Louisville 2, Ky.
E. C. Brown Co., Canandaigua, N. Y.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Dobbs Div., Chamberlain Corp., Waterloo, Iowa
Firestone Tire & Rubber Co., 1200 Firestone Pkwy., Akron, Ohio
Friend Mfg. Co., Gasport, N. Y.
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
The F. E. Myers & Bro. Co., Ashland, Ohio
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Oliver Corp., A. B. Farquhar Div., York, Pa.
Quaker Rubber Corp., Tacony & Conly St., Philadelphia 24, Pa.
Republic Rubber Div., Lee Rubber & Tire Corp., Albert St., Youngstown, Ohio.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago, Ill.
Sprayer Supply Mfg. Co., 225 Front Ave., N.W., Grand Rapids, Mich.
Tyson Orchard Service, Florida Dale, Pa.
United States Rubber Co., 1230 Ave. of the Americas, N. Y. 20, N. Y.

SPRAY HOSE FITTINGS

Bar-Way Mfg. Co., Stamford, Conn.
John Bacon Corp., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
Broadway Rubber Mfg. Co., 529 E. Broadway, Louisville 2, Ky.
E. C. Brown Co., Canandaigua, N. Y.
Chase Brass & Copper Co., 236 Grand Avenue, Waterbury 20, Conn.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Dobbs Div., Chamberlain Corp., Waterloo, Iowa
Friend Mfg. Co., Gasport, N. Y.
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
W. L. Hamilton & Co., Bangor, Mich.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
The F. E. Myers & Bro. Co., Ashland, Ohio
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago, Ill.
Sprayer Supply Mfg. Co., 225 Front Ave., N.W., Grand Rapids, Mich.
Tyson Orchard Service, Florida Dale, Pa.

VALVES AND FITTINGS

Atkins Saw Div., Borg-Warner Corp., 402 S. Illinois St., Indianapolis, Ind.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
Central Brass Mfg. Co., 2950 E. 55th St., Cleveland 27, Ohio
Chase Brass & Copper Co., 236 Grand Ave., Waterbury 20, Conn.
Flo-Rul Co., 346 Lincoln Ave., San Jose, Calif.
Frick Company, Waynesboro, Pa.
Friend Mfg. Co., Gasport, N. Y.
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
The F. E. Myers & Bro. Co., Ashland, Ohio
Sprayer Supply Mfg. Co., 225 Front Ave., N.W., Grand Rapids, Mich.
Spraying Systems, Bellwood, Ill.
Tyson Orchard Service, Florida Dale, Pa.

SPRAY PROTECTION

FACE SHIELDS AND MASKS

Acme Protection Equip. Co., 1251 Kalamazoo St., South Haven, Mich.
American Optical Co., Southbridge, Mass.
Chicago Eye Shield Co., 2300 Warren Blvd., Chicago 12, Ill.
Kimball Safety Products, 9310 Wade Park Ave., Cleveland 4, Ohio
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Pulmosan Safety Equip. Corp., 644 Pacific Ave., Brooklyn, N. Y.
Tyson Orchard Service, Florida Dale, Pa.
Willson Products Div., Ray-O-Vac Co., 203 Washington St., Reading, Pa.

GOGGLES

Chicago Eye Shield Co., 2300 Warren Blvd., Chicago, Ill.
Kimball Safety Products, 9310 Wade Park Ave., Cleveland 4, Ohio
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Pulmosan Safety Equip. Corp., 644 Pacific Ave., Brooklyn, N. Y.
Willson Products Div., Ray-O-Vac Co., 203 Washington St., Reading, Pa.

RESPIRATORS

American Optical Co., Southbridge, Mass.
Chicago Eye Shield Co., 2300 Warren Blvd., Chicago, Ill.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
General Scientific Equipment Co., 7516 Limekiln Ave., Philadelphia 50, Pa.
Kimball Safety Products, 9310 Wade Park Ave., Cleveland 4, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pulmosan Safety Equip. Corp., 644 Pacific Ave., Brooklyn, N. Y.
Tyson Orchard Service, Florida Dale, Pa.
Willson Products Div., Ray-O-Vac Co., 203 Washington St., Reading, Pa.

SPRAY CLOTHING

Broadway Rubber Mfg. Co., 529 E. Broadway, Louisville 2, Ky.
Goodall Rubber Co., Whithead Rd., Trenton 4, N. J.
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
Hodgman Rubber Co., Framingham, Mass.
Hood Rubber Co., Watertown 72, Mass.
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
A. J. Tower Co., Div. of Sawyer-Tower, Inc., 24 Simmons St., Boston 20, Mass.
United States Rubber Co., 1230 Ave. of the Americas, N. Y. 20, N. Y.

WATER SUPPLY

ENGINES

See IRRIGATION & DRAINAGE

PUMPS

See IRRIGATION & DRAINAGE

TANKS (WOOD), WATER STORAGE

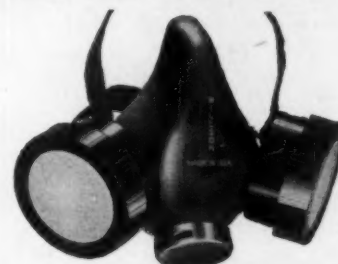
Arrow Tank Co., Inc., 16 Barnett St., Buffalo 15, N. Y.
W. E. Caldwell Co., Inc., Brandeis & Brook Sts., Louisville, Ky.
Hauser-Stander Tank Co., 4838 Spring Grove Ave., Cincinnati 32, Ohio
Kalamazoo Tank & Silo Co., 508 Harrison St., Kalamazoo, Mich.
Kaustlin Co., Inc., Perry, N. Y.

TANKS AND TANK FILLERS

Air-O-Fan Products Corp., Gilroy, Calif.
Arrow Tank Co., 16 Barnett St., Buffalo 15, N. Y.
Broadway Rubber Corp., 529 E. Broadway, Louisville 2, Ky.
John Bacon Co., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
Dobbs Div., Chamberlain Corp., Waterloo, Iowa
Frick Company, Waynesboro, Pa.
Friend Mfg. Co., Inc., Gasport, N. Y.
Gorman-Rupp Co., Mansfield, Ohio
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
Kalamazoo Tank & Silo Co., 508 Harrison St., Kalamazoo, Mich.
O. W. Kromer Co., 1120 Emerson Ave. N., Minneapolis 11, Minn.
The F. E. Myers & Bro. Co., Ashland, Ohio
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Oliver Corp., A. B. Farquhar Div., York, Pa.
Surplus Service Corp., Green Farms, Conn.

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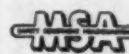


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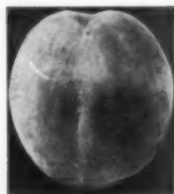
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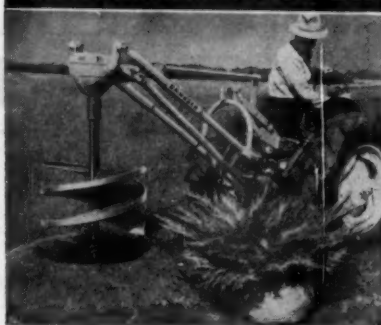
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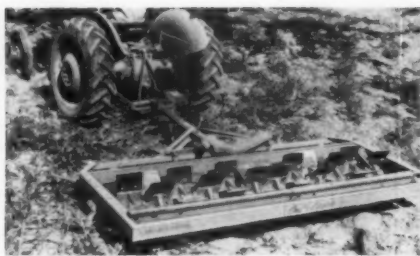
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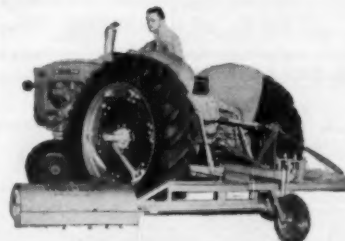
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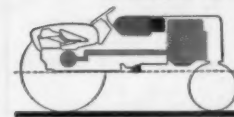
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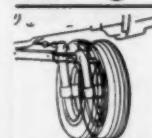
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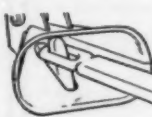
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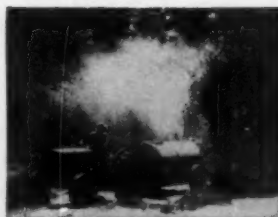
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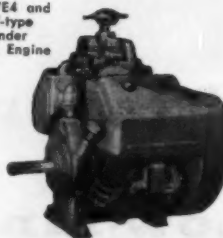


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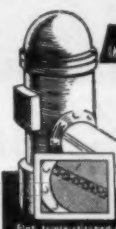
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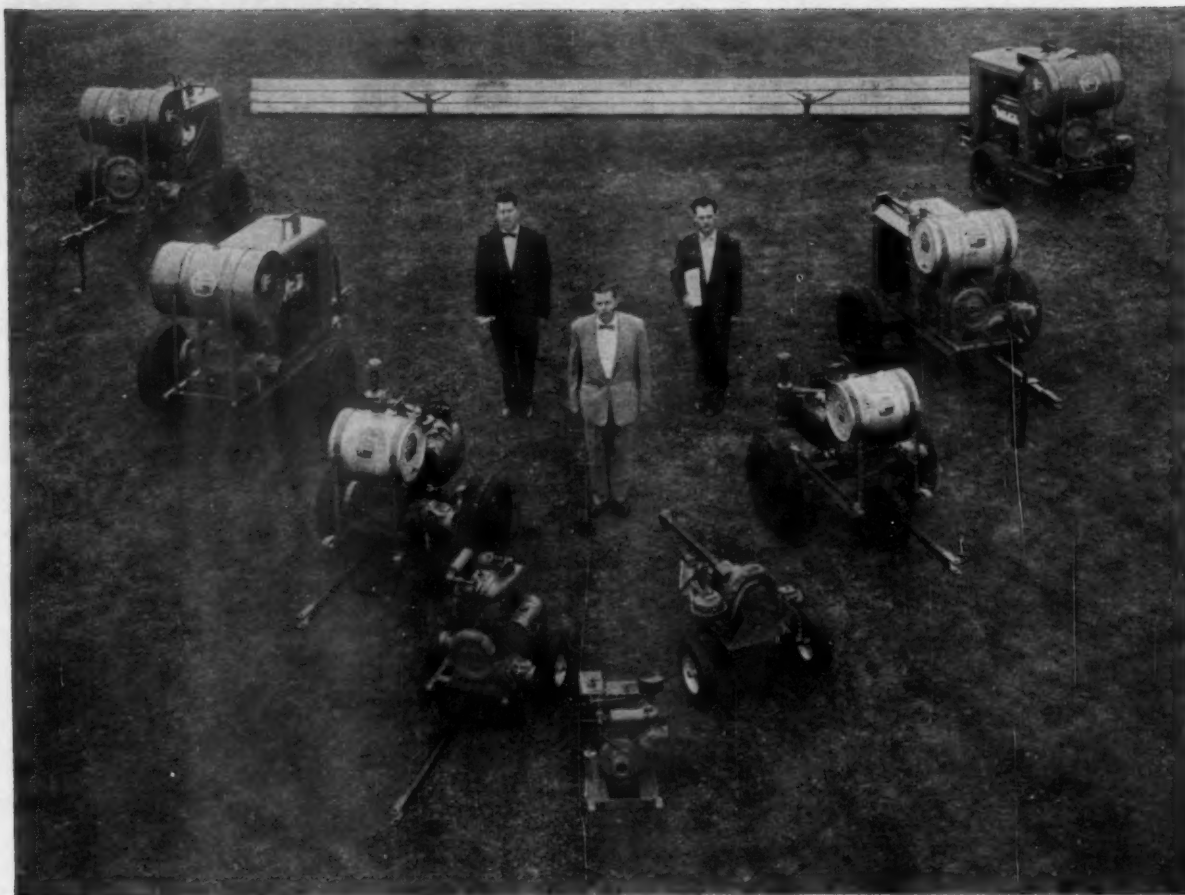
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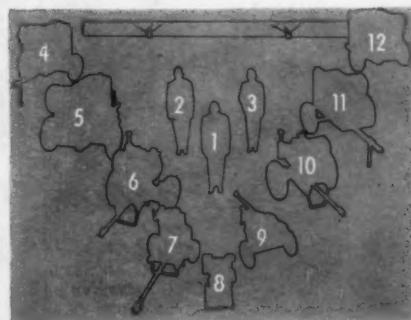
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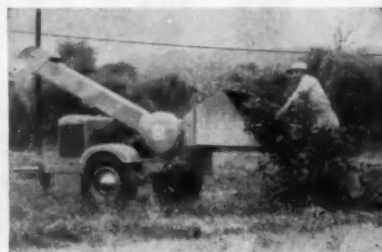
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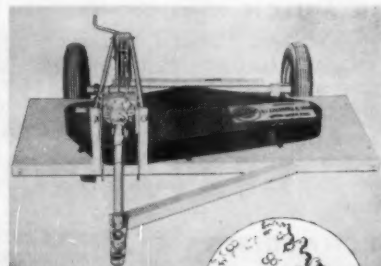
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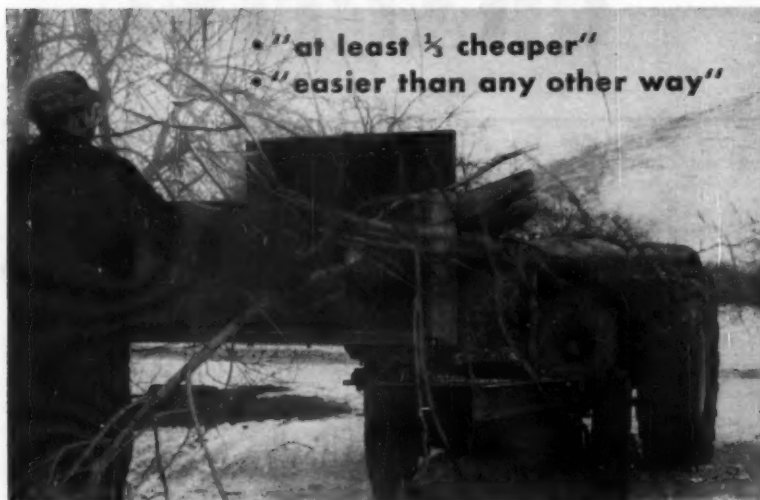
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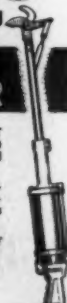
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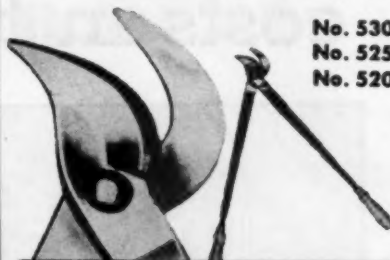
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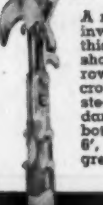
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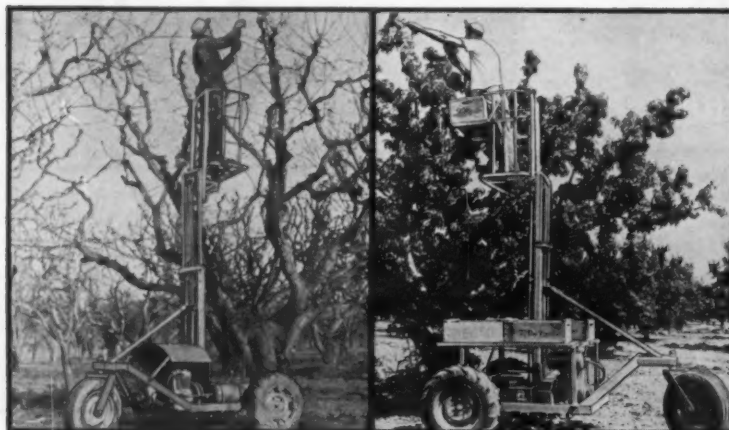
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on pages 21 and 22

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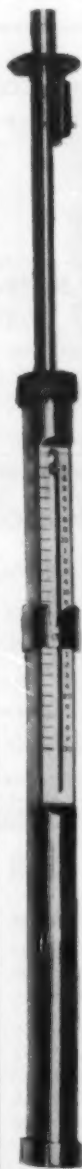
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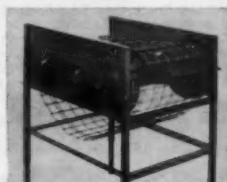
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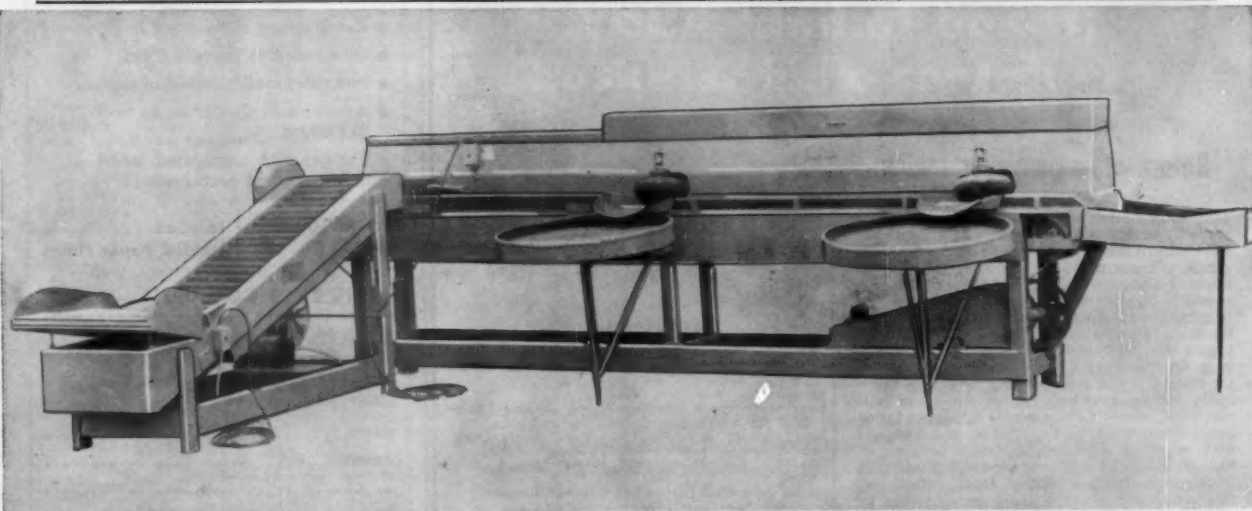
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An entirely new machine with Belt
feed. Same fine scale used on Auto-
bagger. Gentle enough for ripe
peaches. Speed up to seven 5-lb.
bags per minute.

Price complete....\$410
F.O.B. Fairport

Rapid Sizers, Auto Dumps, Automatic
Case Fillers, Consumer Packaging Equip-
ment.

The TRESCOTT CO., INC.
Dept. A FAIRPORT, N.Y.



PEACH SIZER—We have developed a PEACH SIZER that
will handle and size mature ripe peaches.

The sizing principle is similar to our Apple Sizer. The
difference is that we carry the peach in the hollow of a
concave belt (a patent invention of our own). In this way
a mature peach is carried very gently (not rolled) under
the soft air inflated rubber tubes, which gently sizes the
fruit accurately and rolls it according to size on to the
deep rubber cushioned, round gravity revolving tables.

The above cut shows a one-sided one grade sizer making
two sizes with an end table catching the under size.

This machine can be made with 3 or more sizers, if
required. The capacity is about 60 bushels per hour.

We also manufacture a double-sided Special Peach Sizer
No. 2, capacity 120 bushels per hour.

This sizer is excellent for sizing Pears, Delicious Apples,
or other long shaped fruit and can be converted in a few
minutes to a standard apple sizer. Write for folder.

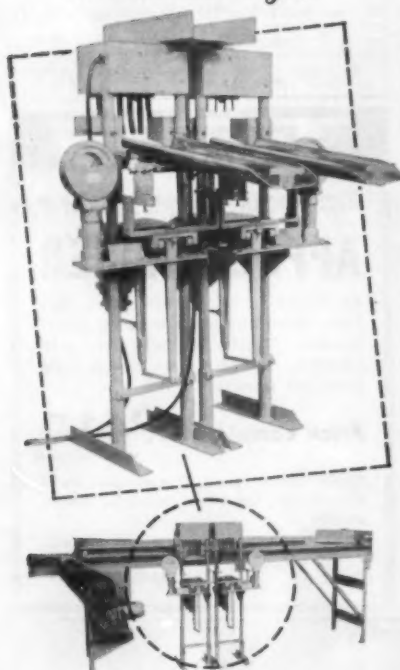
Manufactured by

N. M. BARTLETT MANUFACTURING CO. LTD.

Beamsville, Ont.

NOW PREPACKAGE APPLES

Automatically!



with *fmc* check-way
bagging heads and
Return Flow conveyor tables

This combination of FMC filling stands with specially designed apple bagging heads, and the FMC return flow conveyor table guarantees you gentle, efficient prepackaging of apples with no bruising or stem puncture. The reverse belt table provides a gentle constant flow of fruit to the bagging heads. Weight is continuously accurate. Machine operation is micro-switch controlled—apples are gently rolled into mesh, or ploid film bags. Operator simply tips the hopper, removes the filled bag and replaces with an empty bag—easily handles two hoppers for maximum output. FMC return flow conveyor tables are fabricated to fit your packing house requirements with as many dual-bagging heads as needed. Special citrus as well as universal heads (for package produce) available. Don't delay—put this automatic profit making combination to work for you. Send today for complete details.

FMC Filling stands and hoppers mount on the FMC return flow conveyor table or your existing distribution belt system.



**FOOD MACHINERY
AND CHEMICAL CORPORATION
FLORIDA DIVISION
LAKELAND, FLORIDA**

B-4

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PACKING HOUSE EQUIPMENT

STAPLERS AND STITCHERS

Acme Staple Co., 1643 Haddon Ave., Camden 3, N. J.
Bostitch, Inc., Westerly, R. I.
F. D. Croce & Co., Inc., 386 Washington St., N. Y. 13, N. Y.
Fruit & Produce Pack. Co., 700 W. Morris St., Indianapolis, Ind.
International Staple & Machine Co., Herrin, Ill.
Markwell Mfg. Co., Inc., 200 Hudson St., N. Y., N. Y.
Pittsburgh Steel Co., 1600 Grant Bldg., Pittsburgh 30, Pa.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Republic Steel Corp., Republic Bldg., Cleveland, Ohio
Saranac Machine Co., Benton Harbor, Mich.
Trescott Co., Fairport, N. Y.

TRUCKS, HAND

All Steel Welded Truck Co., Rockford, Ill.
John Chaffin & Sons, 85 Cliff St., N. Y. 7, N. Y.
Clark Equipment Co., Battle Creek, Mich.
Colson Co., Elyria, Ohio
Howe Scale Co., Rutland, Vt.

TRUCKS, LIFT

Allied Mfg. & Sales Co., 3101 W. Grand Ave., Chicago, Ill.
Barrett-Cravens Co., 430 Dundee Rd., Northbrook, Ill.
Big Joe Mfg. Co., 900 W. Jackson, Chicago 7, Ill.
Blackwelder Mfg. Co., Rio Vista, Calif.
Clark Equipment Co., Battle Creek, Mich.
Colson Co., Elyria, Ohio
Elwell-Parker Electric Co., 4205 St. Clair Ave., Cleveland, Ohio
Hyster Co., 2902 N. E. Clackamas, Portland 8, Oreg.
Independent Distributors, 27 N. E. Broadway, Portland, Oreg.
Lamson Mobilift Corp., 835 S. E. Main St., Portland, Oreg.
Lewis-Shepard Co., 194 Walnut St., Watertown, Mass.
Michigan Orchard Supply Co., South Haven, Mich.
Lift Trucks, Inc., 2425 Spring Grove Ave., Cincinnati 14, Ohio
Mercury Mfg. Co., 4044 So. Halsted, Chicago 9, Ill.
Michigan Orchard Supply Co., South Haven, Mich.
Towmotor Corp., 1226 E. 152nd, Cleveland 10, Ohio
Transiter Truck Co., 2477 N. W. 23rd, Portland 10, Oreg.
Yale & Towne Mfg. Co., Roosevelt & Maldeman Aves., Phila., Pa.

TURNERS, BASKET

F. D. Croce & Co., Inc., 386 Washington, N. Y., N. Y.
Durand Co., Woodbury, Ga.
Fruit & Produce Packing Co., 700 West Morris St., Indianapolis 6, Ind.
Fruit Packing Equipment Co., Swoope, Va.
Hill Top Orchards & Nurseries, Hartford, Mich.
Producer's Exchange, Inc., 20 S. Huron, Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Tyson Orchard Service, Flora Dale, Pa.

WASHERS, FRUIT

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N. C.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.
Durand Co., Woodbury, Ga.
Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
Ideal Grader & Equip. Co., Hood River, Oreg.
Lobee Pump & Machinery Co., Gasport, N. Y.
Tew Mfg. Corp. (Trescott & Market Maker), Fairport, N. Y.

WAX

John Bean Div., Food Machinery & Chem. Corp., Lansing, Mich.
Clarion Development Co., Clarion, Pa.
Dow Chemical Co., Midland, Mich.
Food Machinery & Chemical Corp., Packing Equip. Div., Riverside, Calif.
S. C. Johnson & Son, Inc., 1525 Howe, Racine, Wis.
Lobee Pump & Machinery Co., Gasport, N. Y.
Tew Mfg. Corp., Fairport, N. Y.
Trescott Co., Fairport, N. Y.
Wilbur White Div., Franklin Research Co., 5134 Lancaster Ave., Philadelphia 31, Pa.

WAXERS

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N. C.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.
Lobee Pump & Mch. Co., Gasport, N. Y.
Tew Mfg. Corp. (Trescott & Market Maker), Fairport, N. Y.
Trescott Co., Fairport, N. Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas.



**KYS-PAK® Cuts
Packing Costs . . . keeps
your apples 100% salable**

For storage, shipment or display, protect your apples with KYS-PAK. Each apple is cushioned in its own separate compartment, perfectly protected and completely ventilated. KYS-PAK saves you time and money in packing, and because your fruit arrives at the market in top condition and ready for attractive display, it always commands premium prices.

- ★ Extra-strong molded pulp.
- ★ Oil-treated to prevent scald.
- ★ Suitable for all varieties of apples.
- ★ Available in sizes from 48 to 216 count.
- ★ For use with corrugated, wood or wire-bound containers.

BY THE MAKERS OF FAMOUS
ROYAL CHI-NET® Molded Paper Plates

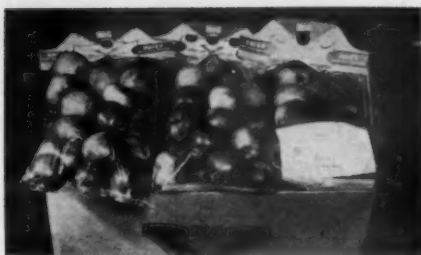
MAIL THIS COUPON

Keyes Fibre Company, Dept. AF
Waterville, Maine
Please send complete information on
KYS-PAK® for apples.

NAME.....
ADDRESS.....
.....



AMERICAN FRUIT GROWER



PACKAGES and Packaging

ADHESIVES

Clark Stok-O Corp., 1631 Dewey St., Rochester 13, N.Y.

CAPS, CORRUGATED

Berryville Basket Co., Inc., Berryville, Va.
Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
Hinde & Daugh Paper Co., Sandusky, Ohio
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

Rice, Trew & Rice Co., Biglerville, Pa.
Tyson Orchard Service, Florida Dale, Pa.
Webster Basket Co., Webster, N. Y.

CONTAINERS

BAGS, CLOTH, OPEN MESH, PAPER

Bemis Bro. Bag Co., 408 Pine St., St. Louis 2, Mo.
Chase Bag Co., 309 W. Jackson, Chicago 6, Ill.
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio

Crestwood Paper Products Co., Inc., Manchester, Conn.

Fulton Bag & Cotton Mills, 1400 Annunciation St., New Orleans, La.

Rangeland Specialty Bag Co., Box 1441, Denver 14, Colo.

St. Regis Paper Co., 230 Park Ave., N.Y. 17, N.Y.
Union Bag & Paper Corp., Woolworth Bldg., N. Y. 7, N.Y.

FRUIT PACKAGING HEADQUARTERS

LET US HELP YOU

KRAFT PAPER SACKS AND STOR PAK BAGS



Printed with your name, address and a colorful vegetable design. Attractively illustrated. Ideal for roadside markets and retail outlets. Stor Paks in quarter peck, half peck and peck sizes. Kraft available in peck, half bushel and bushel sizes.



We now print Cinco Polyethylene Bag in one to three colors. Let us be your source of plain or printed bags. Small or large quantities.



Now 1/2 gal. & 1 qt. paper cider bottles attractively stock printed with your name and address. Top closed with staples.

1/2 gal. \$60.00 per M. 1 qt. \$40.00 per M. Write for quantity prices. Plate charge \$7.50 on 1st. order only. Staples, box of 5000, \$2.50. Stapler \$11.50 ea.



Tape-printed in one to three colors up to three inches wide, using "Scotch-brand" paper, acetate or cellophane tape. For use on baskets, boxes, polyethylene bags and Cider bottles.

LABELS—For Cider Bottles, Polyethylene Bags, Honey, Apple-Butter, Vinegar, etc. Printed in one to three colors. Requires no water—just tear off back and stick. Roll form for your convenience.

We can furnish printed cellophane, sheets, bags, rolls for your pre-packaging needs.

CINCINNATI CORDAGE & PAPER CO.

East Wayne & Scott Sts., Lima, Ohio

BAGS, POLYETHYLENE COATED PAPER

Crown Zellerbach, 343 Sansome St., San Francisco, Calif.

BAGS, TRANSPARENT

Celanese Corporation of America, Plastic Div., 290 Ferry St., Newark, N. J.
Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.

Chase Bag Co., 309 W. Jackson, Chicago 6, Ill.
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio

Continental Can Co., Shellmar-Bethel Div., 100 E. 42nd St., N.Y. 17, N.Y.

Crestwood Paper Products Co., Inc., Manchester, Conn.

Crystal Tube Corp., 6625 W. Diversey Pkwy., Chicago, Ill.

Dobackman Co., 3301 Monroe Ave., Cleveland 1, Ohio

Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.

Fulton Bag & Cotton Mills, 1400 Annunciation St., New Orleans, La.

Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio

Howard Plastics, Inc., Council Bluffs, Iowa

Lamex, Inc., Norcross, Ga.

Mehl Mfg. Co., 2057 Reading, Cincinnati 2, O.

Milprint Inc., 4200 N. Holton St., Milwaukee, Wis.

Muskegon Marking Equipment Co., Muskegon, Mich.

Newark Paraffine & Parch. Paper Co., 50 Jeliff Ave., Newark 8, N.J.

Oneida Paper Products, Inc., Clifton, N.J.

Pak-Rite Flexible Packaging Co., 275 Greene St., Brooklyn 22, N. Y.

Paramount Paper Products Co., Inc., Hamilton St. at 19th, Philadelphia 30, Pa.

PAK-RITE POLYETHYLENE BAGS

AVAILABLE FOR
IMMEDIATE DELIVERY

Plain and Printed

- STOCK SIZES
- STOCK DESIGNS
- SPECIAL SIZES
- SPECIAL DESIGNS

Wholesaler Inquiries
Invited

**PAK-RITE
FLEXIBLE PKG. CO.**

275 Green St. Brooklyn, N. Y.
Evergreen 9-1057



Rice, Trew & Rice Co., Biglerville, Pa.
The Visking Corp., Plastics Div., Terre Haute, Ind.

YOUR kind of boxes, baskets, bulk containers



Successful fruit growers in all lines are improving their annual profit by improving sales appeal, brand identification, and marketing convenience through the use of our corrugated packaging specialties. The **PLANNED PACKAGING** line includes bag masters, cell packs, and tray packs; also 8, 12 and 16 qt. master containers for berry boxes. Two-color printing standard; special design if you wish. Write **PRODUCE SALES, The Ohio Boxboard Co., Rittman, Ohio.**

THE OHIO BOXBOARD CO.

PLANTS: Rittman, O. • Youngstown, O. • Cuyahoga Falls, O.

Pittsburgh, Pa. • Fairbanks Containers, Inc., Middletown, O.

Western Containers, Inc., Lockport, N. Y. • Champion Containers, Inc., Plymouth, Mich.



COMPLETE PACKAGING MATERIALS FOR FRUIT AND PRODUCE GROWERS AND PACKERS



Apple Boxes • Tomato Cartons •
Gift Boxes • Friday Packs •
Peach Containers • Shredded
Oiled Tissue • Grape Baskets •
Tomato Baskets • Banana
Cartons • Berry Crates •
Roadside Stand Baskets •
Crate Liners • Ring Pack
Equipment • Box Cushions •
Box Liners • Shredded
Cellophane • Consumer Tray
Packages • Chip Box Liners •
Box Caps • Basket Cushions •
Polyethylene Bags • Basket
Caps • Corrugated Vegetable
Packages • Basket Liners •
Fruit Wraps • Wenatchee
Fruit Picking Bags •
Apple & Tomato Wraps



Write for Samples and Prices
DEALERS AND WAREHOUSES IN
ALL FRUIT GROWING SECTIONS

FP FRUIT & PRODUCE
PACKING COMPANY
INDIANAPOLIS, INDIANA

RTR RICE, TREW & RICE CO.
BIGLERVILLE, PENN. • ORLANDO, FLA.

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INLAND CONTAINER CORPORATION

Prompt Shipment from
WAREHOUSES: Ft. Valley, Ga. • Albion, N. Y. • Wes-
laco, Texas • Hartford, Mich. • Nampa, Idaho • Cobden,
Ill. • St. Louis, Mo. • Pharr, Texas • San Benito, Texas
PLANTS: Indianapolis, Ind. • Middletown, Ohio • Win-
chester, Va. • Milwaukee, Wis. • Evansville, Ind. • Detroit,
Mich. • Macon, Ga. • Erie, Pa. • Ashtabula, Ohio •
Orlando, Fla. • Rome, Ga. • Biglerville, Pa. • Dallas, Tex.

PACKAGES and PACKAGING

BARRELS

Maslow Cooperage Corp., Valley Stream, N.Y.

BASKETS, CORRUGATED, FIBERBOARD, PAPERBOARD

F. D. Croce & Co., Inc., 386 Washington, N.Y.,
N.Y.; Modena, N.Y.
Fibreboard Paper Products Corp., 475 Brannan St.,
San Francisco, Calif.
Fort Wayne Corrugated Paper Co., Fort Wayne 1,
Ind.
Fruit & Produce Packing Co., Div. of Inland Con-
tainer Corp., 700 W. Morris, Indianapolis 4, Ind.
Gaylord Container Corp., 111 N. 4th, St. Louis 2,
Mo.
Hankins Container Co., 14801 Emery Ave., Cleve-
land, Ohio
The Hinde & Dauch Paper Co., Sandusky, Ohio
Kieckhefer Container Co., Camden 1, N.J.
Ohio Boxboard Co., Rittman, Ohio
Producer's Exchange, Inc., 20 S. Huron St., Toledo
4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N.Y., N.Y.
Wabash Fibre Box Co., Terre Haute, Ind.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleve-
land, Ohio

APPLE BOXES and FIELD CRATES and CORRUGATED, PAPER BOXES MARINETTE & MENOMINEE BOX CO. MARINETTE, WISCONSIN

BASKETS, WOOD

American Veneer Package Assoc., Orlando, Fla.
Barden & Robeson Corp., Lockport, N.Y.
Berryville Basket Co., Inc., Berryville, Va.
F. D. Croce & Co., Inc., 386 Washington St., N.Y.
13, N.Y.; Modena, N.Y.
Frank L. Deaner & Son, Inc., Sodus, Mich.
The Marietta Fruit Pkg. & Lumber Co., Marietta,
Ohio
Marvil Package Co., Hebron, Del.
Paducah Box & Basket Co., Paducah, Ky.
Producer's Exchange, Inc., 20 S. Huron St., Toledo
4, Ohio
H. L. Rapp & Son, Carpentersville, N.J.
Rio Grande Importing Co., Brownsville, Texas
Ripley, Box & Basket Co., Inc., Ripley, Tenn.
Riverside Mfg. Co., Murfreesboro, N.C.
Sodus Basket Co., Sodus, N.Y.
Webster Basket Co., Webster, N.Y.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleve-
land, Ohio

BOX SHOOKS

Acushnet Saw Mills Co., New Bedford, Mass.
Chaffee Brothers Co., Main St., Oxford, Mass.
F. D. Croce & Co., Inc., 386 Washington, N. Y.
N. Y.
General Box Co., 1825 Miner, Des Plaines, Ill.
Kenova Box Co., Kenova, W. Va.
Marinette & Menominee Box Co., Marinette, Wis.
Miller Mfg. Co., 7th & Stockton St., Richmond, Va.
New England Box Co., 100 E. 42 St., N. Y., N. Y.

BOXES AND CRATES, BERRY

American Veneer Package Asso. Inc., Orlando, Fla.
Berlin Fruit Box Co., Berlin Heights, Ohio
Frank L. Deaner & Son, Inc., Sodus, Mich.
Fibreboard Paper Products Corp., 475 Brannan St.,
San Francisco, Calif.
Fort Wayne Corrugated Paper Co., Fort Wayne 1,
Ind.
Fruit & Produce Packing Co., Div. of Inland Con-
tainer Corp., 700 W. Morris, Indianapolis, Ind.
Robert Gair Div., Continental Can Co., 155 E.
44 St., N. Y. 17, N.Y.
General Box Co., 1825 Miner, Des Plaines, Ill.
Marvil Package Co., Hebron, Del.
Miller Mfg. Co., 7th & Stockton St., Richmond 11,
Va.
New Albany Box & Basket Co., New Albany, Ind.
Ohio Boxboard Co., Rittman, Ohio
Ronald Pennington, Rockford, Mich.
Wabash Fibre Box Co., Terre Haute, Ind.
Webster Basket Co., Webster, N. Y.



Fanci-Pak



Each
fruit separated
and cradled
like a baby

Windo-Pak



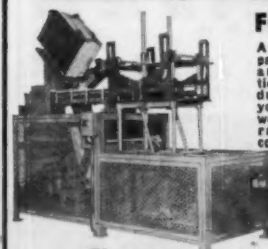
Adaptable to
complete line of
Produce Packaging

Rigid-Pak



Unglued machine
set up tray

FANCI-PAK CARTON



FORMER

Automation in
packaging stand-
ardizes opera-
tions, paces pro-
duction, enables
you to schedule
work more accu-
rately and to
control output.

Alford Cartons

Division of Continental Paper Co.
RIDGEFIELD PARK, N. J.
New Jersey Diamond 2-5000
New York Longacre 5-1212

BOXES AND CRATES

Alford Carlons, Ridgefield Park, N. J.
Atlas-Boxmakers, Inc., 5025 W. 65th St., Chicago, Ill.
Baltimore Paper Box Co., Key Highway-Jackson-Git-
tings-Covington & Ostend Sts., Baltimore, Md.
Bird & Son, Inc., E. Welpole, Mass.
Chaffee Brothers Co., Main St., Oxford, Mass.
Corrugated Container Co., 438 Dublin St., Colum-
bus, Ohio
F. D. Croce & Co., Inc., 386 Washington St., N. Y.
13, N. Y.; Modena, N. Y.
Fibreboard Paper Products Corp., 475 Brannen St.,
San Francisco, Calif.
Fibreboard Paper Products (Eastern Div.) Corp.,
Baltimore, Md.
Fort Wayne Corrugated Paper Co., 130 E. Douglas
St., Ft. Wayne, Ind.
Friday Pack Containers Div., Pacific Pulp Molding
Co., 2035 S. W. 58th St., Portland, Oreg.
Fruit & Produce Packing Co., Div. of Inland Con-
tainer Corp., 700 W. Morris, Indianapolis, Ind.
Robert Gair Div., Continental Can Co., 155 E. 44
St., N. Y. 17, N. Y.
Gaylord Container Corp., 111 N. 4th, St. Louis 2,
Mo.
Hankins Container Co., 14801 Emery Ave., Cleve-
land, Ohio
Hinde & Dauch Paper Co., Sandusky, Ohio
Hoerner Corp., Keokuk, Iowa
Iowa Fiber Box Co., Keokuk, Iowa
Marinette & Menominee Box Co., Hosmer St., Mari-
nette, Wis.
Miller Mfg. Co., 7th & Stockton St., Richmond, Va.
Ohio Boxboard Co., Rittman, Ohio
Paisley Products, 630 W. 51st, N. Y., N. Y.
Producer's Exchange, Inc., 20 S. Huron St., Toledo
4, Ohio
Squires Mfg. Co., Milan, Mich.
Rice Trew & Rice Co., Biglerville, Pa.
Edwin J. Schoettle Co., 533 N. 11th St., Philadel-
phia 23, Pa.
Simplex Paper Corp., Adrian, Mich.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Treub Box Co., 1230 E. 55th St., Cleveland, Ohio
Union Bag & Paper Corp., Woolworth Bldg., N.Y.
17, N.Y.
Wabash Fibre Box Co., Terre Haute, Ind.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleve-
land, Ohio

CUSHIONS

Berryville Basket Co., Inc., Berryville, Va.
F. D. Croce & Co., Inc., 386 Washington, N. Y.,
N. Y.
Fruit & Produce Packing Co., Div. of Inland Con-
tainer Corp., 700 W. Morris, Indianapolis, Ind.
Hinde & Dauch Paper Co., Sandusky, Ohio
Keyes Fibre Co., Waterville, Me.
Kimberly-Clark Corp., Neenah, Wis.
Producer's Exchange, Inc., 20 S. Huron St., Toledo
4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Tyson Orchard Service, Flora Dale, Pa.
Webster Basket Co., Webster, N. Y.

CUTTERS BINDING WIRE

H. K. Porter Inc., Somerville, Mass.

FILMS AND FOILS

Aluminum Co. of America, 425 6th, Pittsburgh, Pa.
American Viscose Corp., 1617 Pennsylvania Blvd.,
Philadelphia 3, Pa.
Brooks Paper Co., 400 Security Bldg., St. Louis, Mo.
Celanese Corp. of America, 180 Madison Ave., N. Y.
Central States Paper & Bag Co., Inc., 5221 Natural
Bridge Ave., St. Louis 15, Mo.
Continental Can Co., Shellmar-Betner Div., 100 E.
42nd St., N.Y. 17, N.Y.
Dow Chemical Co., Midland, Mich.
E. I. du Pont de Nemours & Co., Film Dept., Wil-
mington 98, Del.
Fruit & Produce Packing Co., Div. of Inland Con-
tainer Corp., 700 W. Morris, Indianapolis, Ind.
Goodyear Tire & Rubber Co., 1144 E. Market St.,
Akron, Ohio
Oneida Paper Products, Inc., Clifton, N. J.
Reynolds Metals Co., 2500 S. 3rd St., Louisville, Ky.
Rice, Trew & Rice Co., Biglerville, Pa.
The Visking Corp., Plastics Div., Terre Haute, Ind.

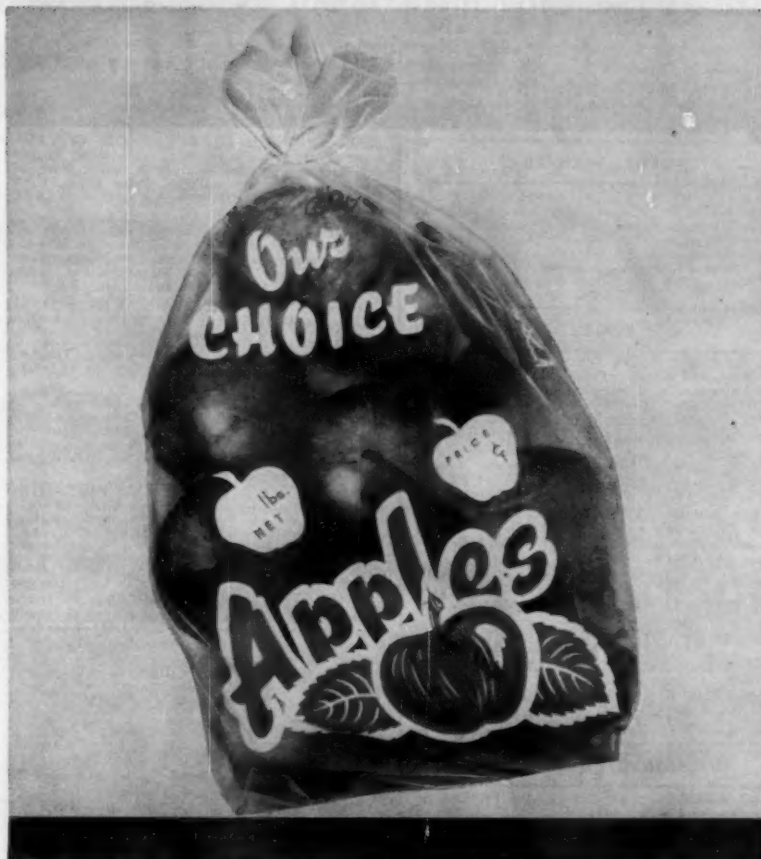
FRUIT CUPS

Oldmill Paper Products Corp., Long Island City,
N.Y.

TAGS AND LABELS

Bartlett Label Co., Kalamazoo, Mich.
Brandau-Craig-Dickerson Co., 304 10th Ave., Nash-
ville, Tenn.
Cincinnati Cordage & Paper Co., Lima, Ohio
Fibreboard Paper Products Corp., 475 Brannen St.,
San Francisco, Calif.
Fruit & Produce Packing Co., Div. of Inland Con-
tainer Corp., 700 West Morris St., Indianapolis 6,
Ind.
Milprint Inc., 4200 N. Holton St., Milwaukee, Wis.
A. B. Morse Co., St. Joseph, Mich.
Schmidt Lithograph Co., Second and Bryant Ave.,
San Francisco 7, Calif.
Stretch-Traug Lithograph Corp., 400 Battery, San
Francisco, Calif.
Tompkins' Label Service, 3213 Frankford Ave.,
Philadelphia 34, Pa.

JULY, 1957



End-cost is real cost!

It's not the cost of the bag alone that determines the cost of the package. Because of less down-time, faster filling, quality film produces packages at the lowest end-cost. Particularly when the film is VISQUEEN 'q' film—the remarkably clear polyethylene. Write for detailed information and names of converters serving your area.

How VISQUEEN film TRADE MARK pays off better

Strength of VISQUEEN film eliminates breakage. There's no ink rub-off with VISQUEEN treated film. The uniformity of VISQUEEN film means excellent machinability. Stiffness and body of VISQUEEN film facilitate fabricating. The experience behind VISQUEEN film assures superior quality. The superior quality of VISQUEEN film cuts packaging cost.

VisQueen film is all polyethylene, but not all polyethylene is VISQUEEN. VISQUEEN film has the benefit of research and resources of the VISKING COMPANY
PLASTICS DIVISION
VISKING COMPANY
Division of Union Carbide Corporation
P.O. BOX 1410 TERRE HAUTE, INDIANA
In Canada: VISKING LIMITED, Lindsay, Ontario



OPPORTUNITY ADS

Only 25c a word for one-time insertion; 20c a word for two-time insertion; 15c a word for four-time insertion—CASH WITH ORDER. Count each initial and whole number as one word. Copy must be in the first of the month preceding date of issue. Address: AMERICAN FRUIT GROWER, Willoughby, Ohio.

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MAKE GOOD MONEY IN SPARE TIME without taking a job or putting in regular hours and without experience. \$50 to \$200 can be yours by showing Regal Christmas cards to friends, neighbors, co-workers. So unusually beautiful they sell on sight. Write for FREE Christmas card album and sample boxes on approval. REGAL GREETINGS, Dept. 3, Ferndale, Michigan.

BOOKS

THE HOW-TO BOOK ON STRAWBERRIES. 112 illustrated pages of down to earth strawberry know-how with complete charts on diseases, pests and their control. \$1.50. AMERICAN FRUIT GROWER, Box 159, Willoughby, Ohio. TOMATO GROWERS—JUST PUBLISHED 1957 American Tomato Yearbook. Cramped with important facts. Send \$2.00. Complete volume 1951-1957, \$8.00. AMERICAN TOMATO YEARBOOK, Box 142-F, Westfield, New Jersey.

BERRY BOOK: "THIRTY YEARS OF BERRIES." Raspberries and Strawberries. 84 pages, price \$1.00 P. Paid. ROY TURNER, 1525 S. Livingston St., Peoria, Ill.

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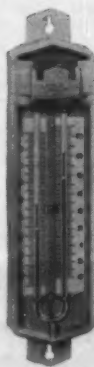


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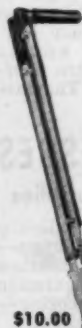
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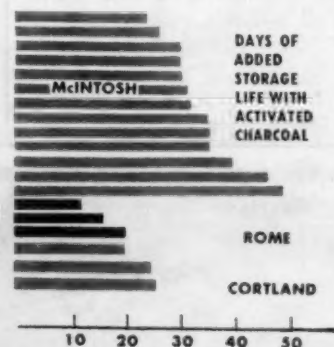


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Sparkler Filter Mfg. Co., Mundelein, Ill.
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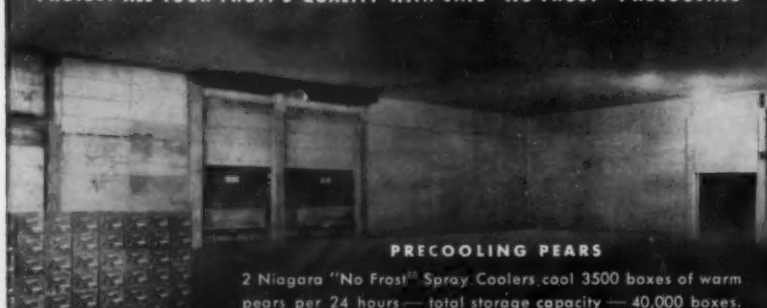
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